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GROUNDWATER MODEL FOR THE KENNECOTT FLAMBEAU PROJECT AT LADYSMITH, WISCONSIN

Appendices A-L

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APPENDIX LIST

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Appendix A.

Model Listing, BALPOND.BAS

This is the source code for the mining and reclamation computer model PLASM. This code, in operation, produces the water-table elevations, wetland area water balances, river and creek runoff information, and mining/reclamation impacts. The model code requires PLASM input data which can be found in other Appendices of this report (for example see Appendix B, K, and P)

2D MINE MODEL (BALFOND)

```
10 REM $DYNAMIC
20 LPRINT CHR$(15)
   DIM G(64),B(64),DL(64,64),H(64,64),HO(64,64),TI(64,64),TJ(64,64),SF(64,64),Q(64,64),R(64,64),RH(64,64),RD(64,64),DELX(65),DELY(65)
   DIM BALANCE(64,64),BOTT2(64,64):MAXP=12:MAXRT=24
   DIM IM(41),JM(41),M(41,8):REM MINE NODE DIMENSIONS
     XNM=41:MAXMRT=8:REM MAXIMUM NUMBER OF MINE NODES AND RATES
   KEY OFF
60 CLS
   LOCATE 8,30:PRINT "SYSTEM SETUP PARAMETERS":PRINT:PRINT:PRINT
   INPUT "Please press the <Caps Lock> key and then hit <RETURN>.",OK$
   INPUT "Do you have a color monitor (Y-yes, N-no)? ",XX$
100 IF XX$<>"Y" AND XX$<>"y" AND XX$<>"N" AND XX$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 90
   IF XX$="Y" OR XX$="y" THEN COLOR 14,1,1:CLS ELSE CLS
   CLS
130 REM name: PLASM (Interactive Microcomputer Version)
   REM purpose: To simulate one- or two- dimensional, nonsteady ground water
   REM          flow in an artesian or water table/heterogeneous, isotropic/
160 REM          anisotropic aquifer system.  A finite difference approach is
170 REM          used to formulate the equations of ground water flow.  A
   REM          modified alternating direction implicit method is used to
   REM          solve the set of resulting finite difference equations.
200 REM written by:
   REM             Thomas A. Prickett & Associates
   REM             Urbana, Illinois 61801
230 REM             Phone: 217/384-0615 or 344-2277
   REM
   REM date: 03/30/1989
   REM
270 REM definitions: NS= Number of time steps
   REM              DE= Time increments
   REM              ER= Conversence error on head
   REM              NC= Number of colums
   REM              NR= Number of rows
   REM              TT= Default transmissivity
330 REM              HH= Default head
340 REM              QQ= Default withdrawal rate
   REM               I= Column number
360 REM               J= Row number
370 REM         TI(I,J)= Transmissivity in i-direction at node (i,j)
   REM         TJ(I,J)= Transmissivity in j-direction at node (i,j)
   REM         SF(I,J)= Storage factor at node (i,j)
400 REM         HO(I,J)= Head at node (i,j) at start of a time step
   REM      PERM1(I,J)= Permeability in the glacial layer
   REM      PERM2(I,J)= Permeability in the sandstone layer
430 REM      BOTT1(I,J)= Elevation of bottom of glacial layer
432 REM      BOTT2(I.J)= Elevation of bottom of sandstone layer
   REM                  or top elevation of bedrock layer
   REM          H(I,J)= Head at node (i,j) at end of the time step
450 REM         R(I,J)= Leakage factor at node (i,j)
   REM        RH(I,J)= Source bed head at node (i,j)
   REM        RD(I,J)= Confining bed head at node (I,J)
480 REM     AA,BB,CC,DD= Coefficients in water balance equations
   REM
   PRINT:PRINT SPC(30);" MICROCOMPUTER PLASM":PRINT
510 PRINT "Mode of input: The program is set up such that data are entered"
   PRINT "               interactively. Then the program can store the data"
   PRINT "               on an external file which can be used for subsequent"
   PRINT "               runs.  If you have no external file to begin with,"
550 PRINT "               then you must choose the interactive mode."
   PRINT
```

```
570 PRINT "                1. Interactive "
580 PRINT "                2. External File Containing Data To Be Run"
    PRINT "                3. PLASM Generated Initial-Condition File"
    PRINT
610 INPUT "                Select mode of input (1, 2 or 3): ",MD
    IF MD<1 OR MD>3 THEN PRINT "1, 2, OR 3 #$^%??(*&!!":BEEP:BEEP:GOTO 610
    IF MD =2 THEN GOSUB 7140:CLS:PRINT SPC(20);"OUTPUT PARAMETER MENU":GOTO 710
640 IF MD=3 THEN GOSUB 7140
    GOSUB 4280
    CLS:PRINT SPC(20);"OUTPUT PARAMETER MENU"
    PRINT
680 INPUT "Should the input data be stored in external file (Y-yes, N-no)";OK$
    IF OK$="Y" OR OK$="y" THEN GOSUB 9860
    IF OK$<>"Y" AND OK$<>"y" AND OK$<>"N" AND OK$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 680
710 PRINT
    INPUT "Do you want a printout of input data (Y-yes, N-no)";OK$
    IF OK$="Y" OR OK$="y" THEN GOSUB 7920:OK$="N"
740 IF OK$<>"Y" AND OK$<>"y" AND OK$<>"N" AND OK$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 720
750 PRINT
    INPUT "Do you want heads to be saved on default disk (Y-yes, N-no)",DISK$
    IF DISK$="Y" OR DISK$="y" THEN GOSUB 10350
780 IF DISK$<>"Y" AND DISK$<>"y" AND DISK$<>"N" AND DISK$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 760
    PRINT :PRINT "How frequently do you want a printout of heads?  For example,"
    INPUT "enter 5 for every fifth time step";SKIP
810 IF MD=3 THEN 1040
    PRINT
    REM
    REM ******************************************
850 REM *.      VARIABLE GRID EQUATIONS           *
    REM ******************************************
    EM
    RINT:PRINT "Adjusting parameters for variable grid"
    FOR I=1 TO NC
      FOR J=1 TO NR
910       SF(I,J)=SF(I,J)*(DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1))/4*KS
920       Q(I,J)=Q(I,J)*(DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1))/4
          R(I,J)=R(I,J)*(DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1))/4
          IF CONFINED$="C" OR CONFINED$="c" THEN GOTO 970
950 REM       IF I<NC THEN TI(I,J)=PERM1(I,J)*SQR((H(I,J)-BOT(I,J))*(H(I+1,J)-BOT(I+1,J)))
    REM      IF J<NR THEN TJ(I,J)=PERM2(I,J)*SQR((H(I,J)-BOT(I,J))*(H(I,J+1)-BOT(I,J+1)))
    REM      TI(I,J)=TI(I,J)*(DELY(J)+DELY(J+1))/DELX(I+1)/2
980 REM      TJ(I,J)=TJ(I,J)*(DELX(I)+DELX(I+1))/DELY(J+1)/2
      NEXT J
    NEXT I
1010 PRINT:INPUT "Do you want a printout of the adjusted input data (Y-yes N-no)";OK$
1020 IF OK$="Y" OR OK$="y" THEN LPRINT "The following data is adjusted for the variable grid":PRINT "The following data is adjusted f
     IF OK$<>"Y" AND OK$<>"y" AND OK$<>"N" AND OK$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 1010
     IF MD=3 THEN LPRINT "This is a RESTART simulation from filename ";FILE$
1050 REM
     REM ***START OF SIMULATION***
     REM
1080 CLS
     TIME=0!
     PKC=1!
1110 PDEL=DE
     FOR XYZ=1 TO NS
     PRINT "The present TIME is ";TIME;"And the next increment is ";DE;"Days"
     INPUT "Do you want to change the time increment? ";INCT$
1153 IF INCT$<>"y" AND INCT$<>"Y" AND INCT$<>"n" AND INCT$<>"N" THEN 1152
     IF INCT$="y" OR INCT$="Y" THEN INPUT "Please enter new time increment, in days, now. ",DE:PDEL=DE
```

```
55 CLS
1160     REM
1170     REM    *** CALCULATE PREDICTOR ***
1180     REM
1190     IF PREDICTOR$="N" OR PREDICTOR$="n" THEN GOTO 1420
1200     FOR I=1 TO NC
1210         FOR J=1 TO NR
1220             D=H(I,J)-HO(I,J)
1230             HO(I,J)=H(I,J)
1240             F=1
1250             IF DL(I,J)=0 THEN 1290
1260             IF XYZ>2 THEN F=D/DL(I,J)
1270             IF F>5 THEN F=5
1280             IF F<0 THEN F=0
1290             DL(I,J)=D
1300             H(I,J)=H(I,J)+D*F
1310             REM IF CONFINED$<>"C" AND CONFINED$<>"c" AND H(I,J)<=860 THEN H(I,J)=861:LPRINT "Node (";I;",";J;") went dry."
1320         NEXT J
1330     NEXT I
1340     GOTO 1470
1350     REM
1360     REM ***END CALCULATE PREDICTOR***
1370     REM
1380     REM
1390     REM
1400     REM *** SET PREVIOUS HEADS IF THE PREDICTOR ISN'T IN EFFECT ***
1410     REM
1420     FOR I = 1 TO NC
1430         FOR J = 1 TO NR
1440             HO(I,J) = H(I,J)
1450     NEXT J:NEXT I
1460     REM
1470     REM
1480     REM
1490     REM ***TRANSMISSIVITY CONTROL CALCULATIONS***
1500     REM
1510     IF CONFINED$="C" OR CONFINED$="c" THEN GOTO 1655
1520     FOR I=1 TO NC
1530         FOR J=1 TO NR
1532             IF I> 10 AND I< 47 AND (J= 32 OR J=30) THEN KORE=10.6 ELSE KORE = .21
1534             IF H(I,J)=>BOTT1(I,J) THEN
                     TI(I,J)= PERM1(I,J)*(H(I,J)-BOTT1(I,J))+PERM2(I,J)*(BOTT1(I,J)-BOTT2(I,J))+KORE*(BOTT2(I,J)-980)+KORE*120
                     IF SF(I,J)<1E21 THEN SF(I,J)=.05*((DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1)))/4*KS
                     TJ(I,J)=TI(I,J)
                 END IF
1536             IF H(I,J)<BOTT1(I,J) AND H(I,J)>=BOTT2(I,J) THEN
                     TI(I,J)=PERM2(I,J)*(H(I,J)-BOTT2(I,J))+KORE*(BOTT2(I,J)-980)+KORE*120
                     IF SF(I,J)<1E21 THEN SF(I,J)=.1*((DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1)))/4*KS
                     TJ(I,J)=TI(I,J)
                 END IF
1538             IF H(I,J)<BOTT2(I,J) AND H(I,J)>=980 THEN
                      TI(I,J)=KORE*(H(I,J)-980) + KORE*120
                      IF SF(I,J)<1E21 THEN SF(I,J)=KORE/210*((DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1)))/4*KS
                      TJ(I,J)=TI(I,J)
                 END IF
1540             IF H(I,J)<980 THEN
                      TI(I,J)=KORE*(H(I,J)-860)
                      IF SF(I,J)<1E21 THEN SF(I,J)=KORE/210*((DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1)))/4*KS
                      TJ(I,J)=TI(I,J)
                 END IF
```

```
1542            IF H(I,J)<=860 THEN
                    TI(I,J)=KORE*1
                    IF SF(I,J)<1E21 THEN SF(I,J)=KORE/210*((DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1)))/4*KS
                    TJ(I,J)=TI(I,J)
                END IF
    EM
   .EM   FOLLOWING CODE CALCULATES TRANSMISSIVITY IN RECLAIMED AREA
   REM
   REM     IF XYZ<8*NSP THEN 1544:REM SKIP THIS CODE IF NOT IN RECLAMATION PERIOD
                IF BALANCE(I,J)=50 THEN
                   IF H(I,J)=>1050 THEN
                      TI(I,J)=21.2*(H(I,J)-1050)+.212*10+21.2*140+KORE*40
                      SF(I,J)=0.1*((DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1)))/4*KS
                   END IF
                   IF H(I,J)<1050 AND H(I,J)=>1040 THEN
                      TI(I,J)=.212*(H(I,J)-1040)+21.2*140+KORE*40
                      SF(I,J)=0.01*((DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1)))/4*KS
                   END IF
                   IF H(I,J)<1040 AND H(I,J)>900 THEN
                      TI(I,J)=21.2*(H(I,J)-900)+KORE*40
                      SF(I,J)=0.1*((DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1)))/4*KS
                   END IF
                   IF H(I,J)<900 AND H(I,J)=>860 THEN
                      TI(I,J)=(H(I,J)-860)*KORE
                      SF(I,J)=(KORE/210)*((DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1)))/4*KS
                   END IF
               TJ(I,J)=TI(I,J)
               END IF
1544        NEXT J:NEXT I
  6     FOR I=1 TO NC
            FOR J = 1 TO NR
                IF H(I,J)<H(I+1,J) AND SF(I+1,J)>=1E21 THEN TI(I,J)=0:GOTO 1551:REM THIS STATEMENT AVOIDS FLOW OUT OF MINE (CONSTANT
  0             IF H(I,J)>H(I+1,J) AND SF(I,J)>=1E21 THEN TI(I,J)=0:GOTO 1551
                IF I<NC THEN TI(I,J)=(TI(I,J)+TI(I+1,J))/2
1551            IF H(I,J)<H(I,J+1) AND SF(I,J+1)>=1E21 THEN TJ(I,J)=0:GOTO 1554:REM THIS STATEMENT AVOIDS FLOW OUT OF MINE (CONSTANT
1552            IF H(I,J)>H(I,J+1) AND SF(I,J)>=1E21 THEN TJ(I,J)=0:GOTO 1554
  3             IF J<NR THEN TJ(I,J)=(TJ(I,J)+TJ(I,J+1))/2
1574            TI(I,J)=TI(I,J)*(DELY(J)+DELY(J+1))/DELX(I+1)/2
1574            TJ(I,J)=TJ(I,J)*(DELX(I)+DELX(I+1))/DELY(J+1)/2
  0         NEXT J:NEXT I
  5     REM
1656    REM ***END TRANSMISSIVITY CONTROL CALCULATINS***
  7     REM
  3     REM ***VARIABLE PUMPAGE***
1659    REM
1660    IF NSP=0 THEN GOTO 1770
  )     Z=INT((XYZ-1)/NSP)+1
        IF (Z-PKC)<>0 THEN GOTO 1770
1690    FOR K=1 TO NP
  )         III=IP(K)
  )         JJJ=JP(K)
1720        Q(III,JJJ)=P(K,PKC)
1730    NEXT K
   REM
   REM  MOVE THE MINE PIT
   REM
        FOR K=1 TO NM
           III=IM(K)
           JJJ=JM(K)
           IF M(K,PKC)=0 THEN GOTO 1738:REM SKIP IF NODE NOT MINED YET
```

```
      IF M(K,PKC) > 0 THEN:REM SET THE MINE PIT AS CONSTANT HEAD NODE
         H(III,JJJ)=M(K,PKC)
         HO(III,JJJ)=H(III,JJJ)
         SF(III,JJJ)=1.01E21
      ELSE: REM IF ELEVATION IS NEGATIVE THEN SET RECLAMATION FLAG
         BALANCE(III,JJJ)=50:REM THIS FLAG SETS THE RECLAMATION PARAMETERS
         SF(III,JJJ)=0.1*((DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1)))/4*KS
      END IF
      LPRINT "   MINE NODE TURNED ON AT I=";III;"  J=";JJJ;"  ELEVATION =";H(III,JJJ)
   NEXT K
   DE=PDEL
   PKC=PKC+1
   REM
   REM *** END VARIABLE PUMPAGE ***
   REM
   TIME=TIME+DE
   ITER=0!
   E=0
   ITER=ITER+1
   LOCATE 9,1:PRINT "Performing iteration #";ITER;" for TIME =";TIME
   FOR II=1 TO NC
      I=II
      IF (XYZ+ITER) MOD 2 =1 THEN I=NC-I+1
      FOR J=1 TO NR
         REM
         REM *** INDUCED INFILTRATION CALCULATION ***
         REM
         IF H(I,J)<=RD(I,J) THEN RE=(RH(I,J)-RD(I,J))*R(I,J):RB=0! ELSE RE=RH(I,J)*R(I,J):RB=1!
         BB=SF(I,J)/DE+R(I,J)*RB
         DD=HO(I,J)*SF(I,J)/DE-Q(I,J)+RE
         REM
         REM *** END INDUCED INFILTRATION CALCULATION ***
         REM
         AA=0
         CC=0
         IF (J-1<0 OR J-1>0)   THEN AA=-TJ(I,J-1):BB=BB+TJ(I,J-1)
         IF (J-NR<0 OR J-NR>0) THEN CC=-TJ(I,J):BB=BB+TJ(I,J)
         IF (I-1<0 OR I-1>0)   THEN BB=BB+TI(I-1,J):DD=DD+H(I-1,J)*TI(I-1,J)
         IF (I-NC<0 OR I-NC>0) THEN BB=BB+TI(I,J):DD=DD+H(I+1,J)*TI(I,J)
         W=BB-AA*B(J-1)
         B(J)=CC/W
         G(J)=(DD-AA*G(J-1))/W
      NEXT J
      E=E+ABS(H(I,NR)-G(NR))
      H(I,NR)=G(NR)
      N=NR-1
      HA=G(N)-B(N)*H(I,N+1)
      E=E+ABS(HA-H(I,N))
      H(I,N)=HA
      N=N-1
      IF NOT(N<0 OR N=0) THEN 2100
      IF CONFINED$="c" OR CONFINED$="C" THEN GOTO 2220
      FOR N=1 TO NR
         IF H(I,N)>860 THEN GOTO 2210
         LPRINT "Node (";I;",";N;") went dry."
         E=E+861-H(I,N)
         H(I,N)=861
      NEXT N
   NEXT II
   TEMPE=E
```

```
    REM
    REM ***ROW CALCULATIONS***
    REM
    FOR JJ=1 TO NR
        J=JJ
        IF (XYZ+ITER) MOD 2 =1 THEN J=NR-J+1
        FOR I=1 TO NC
            REM
            REM *** INDUCED INFILTRATION CALCULATION ***
            REM
            IF H(I,J)<=RD(I,J) THEN RE=(RH(I,J)-RD(I,J))*R(I,J):RB=0 ELSE RE=RH(I,J)*R(I,J):RB=1
            BB=SF(I,J)/DE+R(I,J)*RB
            DD=HO(I,J)*SF(I,J)/DE-Q(I,J)+RE
            REM
            REM *** END INDUCED INFILTRATION CALCULATION ***
            REM
            AA=0
            CC=0
            IF (J-1<0 OR J-1>0)   THEN BB=BB+TJ(I,J-1):DD=DD+H(I,J-1)*TJ(I,J-1)
            IF (J-NR<0 OR J-NR>0) THEN DD=DD+H(I,J+1)*TJ(I,J):BB=BB+TJ(I,J)
            IF (I-1<0 OR I-1>0)   THEN BB=BB+TI(I-1,J):AA=-TI(I-1,J)
            IF (I-NC<0 OR I-NC>0) THEN BB=BB+TI(I,J):CC=-TI(I,J)
            W=BB-AA*B(I-1)
            B(I)=CC/W
            G(I)=(DD-AA*G(I-1))/W
        NEXT I
        E=E+ABS(H(NC,J)-G(NC))
        H(NC,J)=G(NC)
        N=NC-1
        HA=G(N)-B(N)*H(N+1,J)
        E=E+ABS(H(N,J)-HA)
        H(N,J)=HA
        N=N-1
        IF NOT(N<0 OR N=0) THEN 2530
        IF CONFINED$="c" OR CONFINED$="C" THEN GOTO 2650
        FOR N=1 TO NC
            IF H(N,J)>860 THEN GOTO 2640
            LPRINT "Node (";N;",";J;") went dry."
            E=E+861-H(N,J)
            H(N,J)=861
        NEXT N
    NEXT JJ
    LOCATE 9,50:PRINT "Total ER = ";E:PRINT
    LPRINT " ITER = ";ITER;" ER = ";E;" TIME = ";TIME
    IF E>ER AND ITER>199 THEN INPUT " EXIT (Y OR N)";A$
    IF E>ER AND ITER>199 AND A$="Y" THEN 3380
    IF E>ER THEN 1810
    REM
    REM *** CALCULATE WATER BALANCE ***
    REM
    IF WBALANCE$="N" OR WBALANCE$="n" THEN GOTO 3350
    WB=0!:NN=0
    IF XYZ MOD SKIP <>0 THEN 2760
    N$ = STR$(XYZ):N$=RIGHT$(N$,LEN(N$)-1):R$=FILL$+N$+".QES":OPEN "O",#2,R$
    QS=0!:QF=0!:QR=0!:QH=0!:TOTIN=0!:TOTOUT=0!:CHND=0!
    INFIN=0!:INFOUT=0!:QIN=0!:QOUT=0!:QFS=0!:QTS=0!:QCHNIN=0!:QCHNOUT=0!
    IF XYZ MOD SKIP =0 THEN PRINT #2,TIME,DE:DX=0
    FOR I = 1 TO NC
    DX=DX+DELX(I):DY=0
    FOR J = NR TO 1 STEP -1
```

```
2820      DY=DY+DELY(J+1):QIP1=0:QJP1=0:QJM1=0:QIM1=0
2830      IF H(I,J)<=RD(I,J) THEN GOTO 2860
  40      QI=R(I,J)*(RH(I,J)-H(I,J))
  50      GOTO 2870
2860      QI=R(I,J)*(RH(I,J)-RD(I,J))
          QR=QR+QI:IF QI>0 THEN TOTIN = TOTIN +QI ELSE TOTOUT = TOTOUT - QI
  80      IF QI > 0 THEN INFIN=INFIN + QI ELSE INFOUT = INFOUT - QI
2890      QF=QF+Q(I,J):IF Q(I,J) >0 THEN TOTOUT = TOTOUT + Q(I,J) ELSE TOTIN = TOTIN - Q(I,J)
2900      IF Q(I,J) > 0 THEN QOUT = QOUT + Q(I,J) ELSE QIN = QIN - Q(I,J)
 910      IF SF(I,J)>1E+21 THEN 2960
 920      IF SF(I,J)<1E+21 THEN QSI=((SF(I,J)/DE)*HO(I,J)-(SF(I,J)/DE)*H(I,J))
2930      IF QSI > 0 THEN TOTIN = TOTIN + QSI ELSE TOTOUT = TOTOUT - QSI
 940      IF QSI > 0 THEN QFS = QFS +QSI ELSE QTS = QTS - QSI
 950      GOTO 3040
2960  QIP1=0:IF SF(I+1,J)<1E+21 AND I < NC THEN QIP1 = (H(I+1,J)-H(I,J))*TI(I,J):IF QIP1 < 0 THEN TOTIN = TOTIN - QIP1 ELSE TOTOUT =
2970  QJP1=0:IF SF(I,J+1)<1E+21 AND J < NR THEN QJP1 = (H(I,J+1)-H(I,J))*TJ(I,J):IF QJP1 < 0 THEN TOTIN = TOTIN - QJP1 ELSE TOTOUT =
 980  QJM1=0:IF SF(I,J-1)<1E+21 AND J > 1 THEN QJM1 = (H(I,J-1)-H(I,J))*TJ(I,J-1):IF QJM1 < 0 THEN TOTIN = TOTIN - QJM1 ELSE TOTOUT
2990  QIM1=0:IF SF(I-1,J)<1E+21 AND I > 1 THEN QIM1 = (H(I-1,J)-H(I,J))*TI(I-1,J):IF QIM1 < 0 THEN TOTIN = TOTIN - QIM1 ELSE TOTOUT
3000      IF QIP1 < 0 THEN QCHNIN = QCHNIN - QIP1 ELSE QCHNOUT = QCHNOUT + QIP1
 010      IF QJP1 < 0 THEN QCHNIN = QCHNIN - QJP1 ELSE QCHNOUT = QCHNOUT + QJP1
 020      IF QJM1 < 0 THEN QCHNIN = QCHNIN - QJM1 ELSE QCHNOUT = QCHNOUT + QJM1
3030      IF QIM1 < 0 THEN QCHNIN = QCHNIN - QIM1 ELSE QCHNOUT = QCHNOUT + QIM1
 040      QLEAVE= QIP1+QJP1+QJM1+QIM1+Q(I,J)-QI:DW=DX-DELX(1):DU=DY-DELY(1):IF ABS(WB)> 0 AND (XYZ MOD SKIP)=0 THEN PRINT#2, USING "
  50    NEXT J
3060     NEXT I
 149  IF XYZ MOD SKIP=0 THEN CLOSE #2
      IF NN=1 THEN 3310
 150  LOCATE 1,1
3160  WB=100*(1-ABS(TOTIN/TOTOUT))
  70  PRINT "Total Flow IN =";TOTIN;"   Total Flow OUT =";TOTOUT;"                    "
      PRINT "Percent unaccounted water =";WB;"                                       ":PRINT"
 31   PRINT "Flow from storage =";QFS;"  Flow into storage =";QTS
 200  PRINT "Flow in from leakance =";INFIN;"  Flow out via leakance =";INFOUT
  10  PRINT "Flow in from withdrawal =";QIN;"  Flow out via withdrawal =";QOUT
3220  PRINT "Flow from constant heads =";QCHNIN;"  Flow out to constant heads =";QCHNOUT
3230  IF ABS(WB) > WBB THEN 3320:LPRINT
  50  LPRINT "Flow from storage =";QFS;"   Flow into storage =";QTS
 3 0  LPRINT "Flow in from leakance =";INFIN;"   Flow out via leakance";INFOUT
3260  LPRINT "Flow in from withdrawal ="QIN;"   Flow out via withdrawal =";QOUT
 270  LPRINT "Flow from constant heads =";QCHNIN;"   Flow to constant heads =";QCHNOUT:LPRINT
  0   LPRINT "Total Flow IN =";TOTIN;"   Total Flow OUT =";TOTOUT
3290  LPRINT "Percent of unaccounted water = ";WB
 300  LPRINT "WB = 100*(1 - ABS(TOTIN/TOTOUT))":LPRINT:LPRINT
   1    IF WBALANCE$="n" OR WBALANCE$="N" THEN 3310
3302    NN=1
 305    REM This next statement allows rerunning of global balance and
   6    REM writing the outlet flows to disk--for random walk simulations
3  7    REM
3308  GOTO 2750
 3 0  EE$=""
  0   IF ITER > 199 THEN INPUT "Continue?  Enter Y-Yes or S to print results";EE$
3330  IF EE$ <> "Y" OR EE$ <> "y" THEN 3340 ELSE 3370
 340  IF ABS(WB) > WBB THEN GOTO 1810
   0    REM *** END WATER BALANCE CALCULATION ***
3 0     REM
 3       REM
        REM ***CREATE DISK FILE FOR RANDOMWALK AND GRAPHICS***
3  0    REM
3400    IF (DISK$="N" OR DISK$="n") OR (XYZ MOD SKIP)<>0 THEN 3621
 410    PRINT:LPRINT
```

```
3420    N$=STR$(XYZ)
3430    N$=RIGHT$(N$,LEN(N$)-1)
3440    EXT$=".DAT"
3450    P$=FILL$+N$+EXT$
3460    OPEN "O",#1,P$
        DX=0!
3480    IF FORM$="S" OR FORM$ = "s" THEN 3500
3490    PRINT #1,NC,NR,A,B,C,D
3500    FOR I=1 TO NC
3510        IF FORM$="s" OR FORM$="S" THEN 3550
3520        FOR J=1 TO NR
3530            PRINT #1,USING "#######.####";H(I,J)
3540        GOTO 3600
3550        DX=DX+DELX(I):DY=0
3560          FOR K = NR TO 1 STEP -1
3570        DY = DY+DELY(K+1)
3580        DW = DX-DELX(1): DU=DY-DELY(1):PRINT #1,USING "#######.####";DW,DU,H(I,K)
3590          NEXT K
3600        NEXT J
3610    NEXT I
3620 CLOSE 1
3621 IF XYZ MOD SKIP <>0 THEN 4180
3622 REM ***Water balance section for wetlands, rivers, streams, and boundaries***
3623 FOR L = 1 TO 20
3624 FLOWIN=0:FLOWOUT=0:QI=0:WITHIN=0:WITHOUT=0:LPRINT
3625 IF L=1 THEN U$="Wetland Area Number 1 "
3626 IF L=2 THEN U$="Wetland Area Number 2 "
3627 IF L=3 THEN U$="Wetland Area Number 3 "
3628 IF L=4 THEN U$="Wetland Area Number 4 "
3629 IF L=5 THEN U$="Wetland Area Number 5 "
3630    IF L=6 THEN U$="Wetland Area Number 6 "
3631    IF L=7 THEN U$="Wetland Area Number 7 "
3632 IF L=8 THEN U$="Wetland Area Number 8 "
3633 IF L=9 THEN U$="Wetland Area Number 9 "
3634 IF L=10 THEN U$="Wetland Area Number 10 "
3635 IF L=11 THEN U$="Lower third of Meadowbrook Creek "
3636 IF L=12 THEN U$="Middle third of Meadowbrook Creek "
3638 IF L=13 THEN U$="Upper third of Meadowbrook Creek "
3639 IF L=14 THEN U$="Flambeau River DOWNSTREAM of mine area "
3640 IF L=15 THEN U$="Flambeau River ADJACENT to mine area "
3641 IF L=16 THEN U$="Flambeau River UPSTREAM of mine area "
3642 IF L=17 THEN U$="FIRST Column flow "
3643 IF L=18 THEN U$="LAST Column flow "
3644 IF L=19 THEN U$="FIRST Row flow "
3645 IF L=20 THEN U$="LAST Row flow "
3646 FOR I = 1 TO NC:FOR J = 1 to NR
3647 IF BALANCE(I,J)=L THEN 3648 ELSE 3654
3648 IF H(I,J)<=RD(I,J) THEN 3651
3649 QI=R(I,J)*(RH(I,J)-H(I,J))
3650 GOTO 3652
3651 QI=R(I,J)*(RH(I,J)-RD(I,J))
3652 IF QI>0 THEN FLOWIN=FLOWIN+QI ELSE FLOWOUT=FLOWOUT-QI
3653 IF Q(I,J)>0 THEN WITHOUT=WITHOUT+Q(I,J) ELSE WITHIN=WITHIN-Q(I,J)
3654 NEXT J:NEXT I
3655 LPRINT "This is a water balance for ";U$
3657 LPRINT "  Flow INTO aquifer from Leakance terms is ";FLOWIN;" GPD"
     LPRINT "  Flow OUT of aquifer from Leakance terms is ";FLOWOUT;" GPD"
3658 LPRINT "  Flow INTO aquifer from net Withdrawal terms is ";WITHIN;" GPD"
3659 LPRINT "  Flow OUT of aquifer from net Withdrawal terms is ";WITHOUT;" GPD"
3660 SUM = FLOWIN+WITHIN-FLOWOUT-WITHOUT
```

```
3661 LPRINT "    Sum of Ins minus Outs (PLUS means in) =  ";Sum;" GPD"
3662 LPRINT
  63 NEXT L
  67 REM
3668 REM ***PRINT RESULTS***
     LOCATE 9,1
  70 INPUT "Do you wish a numeric or category printout (N-numeric, C-category, or B-both)",ANS$
3680 IF ANS$<>"B" AND ANS$<>"b" AND ANS$<>"N" AND ANS$<>"n" AND ANS$<>"C" AND ANS$<>"c" THEN PRINT "(N-numeric, C-category, or B-both
3690 IF ANS$="n" OR ANS$="N" THEN GOTO 3950
  00 REM
  10 REM *** CATEGORY PRINTOUT ***
3720 CLS
  30 REM
     WIDTH LPRINT 132
3740 LOCATE 8,1:PRINT SPC(20);"CATEGORY PRINTOUT":PRINT
3750 LPRINT SPC(20);"CATEGORY PRINTOUT":LPRINT
  52 DATA 900," !",905," @",910," #",915," $",920," %",925," ^",930," &",935," *",940," ("
3753 DATA 945," _",950," 1",955," 2",960," 3",965," 4",970," 5",975," 6",980," 7",985," 8"
3754 DATA 990," 9",995," 0",1000," A",1005," B",1010," C",1015," D",1020," E", 1025," F"
  65 DATA 1030," G",1035," H",1040," I",1045," J",1050," K",1055," L",1060," M",1065," N"
3756 DATA 1070," O",1075," P",1080," Q",1085," R",1090," S",1095," T",1100," U",1105," V"
3757 DATA 1110," W",1115," X",1120," Y",1125," Z",1130," <",1135," >",1140," .",1145," /"
  78 DATA 1150," ?"
  80 FOR JJJ=1 TO NR
3770     FOR III=1 TO NC
3772       FOR K = 1 TO 51
  73        READ X,KAT$
3774        IF(X-H(III,JJJ))=>0 THEN LPRINT KAT$;:GOTO 3776
3775       NEXT K
  76       RESTORE
3       NEXT III
3     LPRINT
  90 NEXT JJJ
  00 PRINT
3860 LPRINT:LPRINT:LPRINT
3870    IF RATETYPE$="C" OR RATETYPE$="c" THEN GOTO 3920
  80    FOR PI=1 TO NP
3890        LPRINT "Well at (";IP(PI);",";JP(PI);") is pumping ";P(PI,PKC-1);" gpd/node"
3900        PRINT "Well at (";IP(PI);",";JP(PI);") is pumping ";P(PI,PKC-1);" gpd/node"
  10    NEXT PI
  20 INPUT "Press <RETURN> to continue.",OK$
3930 IF ANS$<>"B" AND ANS$<>"b" THEN GOTO 4150
  50 REM
  60 REM *** NUMERICAL PRINTOUT ***
3960 REM
3970 CLS
  80    LOCATE 8,1:PRINT " Time = ";TIME;" days"
3990    LPRINT " Time = ";TIME;" days"
4000    PRINT SPC(30);"HEAD (ft or m)"
  10    LPRINT SPC(30);"HEAD (ft or m)"
  20    PRINT:LPRINT
4030    FOR J=1 TO NR
  40        FOR I=1 TO NC
  50            PRINT USING " ####.##";H(I,J);
4060            LPRINT USING " ####.##";H(I,J);
  70        NEXT I
            PRINT:LPRINT
  90    NEXT J
4100    IF RATETYPE$="C" OR RATETYPE$="c" THEN GOTO 4150
        FOR PI=1 TO NP
```

```
4120        LPRINT "Well at (";IP(PI);",";JP(PI);") is pumping ";P(PI,PKC-1);" gpd/node"
4130        PRINT "Well at (";IP(PI);",";JP(PI);") is pumping ";P(PI,PKC-1);" gpd/node"
  40    NEXT PI
  50    PRINT:PRINT " Do you. Want To Create a Restart File at This Point?"
4160    INPUT "  Press Y for Yes or <RETURN> for No.",OK$
        IF OK$ ="y" OR OK$="Y" THEN GOSUB 9860 ELSE 4180
  ..   DE=DE*1.2
4190    CLS
4200 NEXT XYZ
  10 PRINT "Your job is over!@#":END
4220 REM name: PRINT
4230 REM purpose: To enter data for PLASM in an interactive mode.
  40 REM called by: PMAIN
  50 REM calls: PDEF
4260 REM
4270 REM
  80 REM *** INPUT TYPE OF UNITS ***
4290 CLS:LOCATE 4,1:PRINT SPC(20);"PRELIMINARY DATA INPUT":PRINT
4300 PRINT:IF MD=3 THEN 4330
  10 PRINT "Are you going to model a confined or unconfined aquifer?":INPUT "(C-confined, U-unconfined)? ",CONFINED$
  20 IF CONFINED$<>"C" AND CONFINED$<>"c" AND CONFINED$<>"U" AND CONFINED$<>"u" THEN GOTO 4310
4330 PRINT
  40 INPUT "Do you want the predictor in effect (Y-yes, N-no)? ",PREDICTOR$
  50 IF PREDICTOR$<>"N" AND PREDICTOR$<>"n" AND PREDICTOR$<>"Y" AND PREDICTOR$<>"y" THEN PRINT "(Y-yes, N-no)":GOTO 4340
4360 PRINT
4370 INPUT "Do you want the water balance in effect (Y-yes, N-no)? ",WBALANCE$
  30 IF WBALANCE$<>"N" AND WBALANCE$<>"n" AND WBALANCE$<>"Y" AND WBALANCE$<>"y" THEN PRINT "(Y-yes, N-no)":GOTO 4370
4390 IF WBALANCE$="N" OR WBALANCE$="n" THEN GOTO 4430
4400 PRINT
  10 INPUT "Enter error percentage for water balance ",WBB
  .. IF WBB<0 THEN PRINT "Must be positive":GOTO 4410
4   CLS:IF MD=2 OR MD=3 THEN 5750
  40 PRINT:PRINT SPC(30);"UNITS":PRINT
  50 PRINT "   You have the option of using English or Metric units for "
4460 PRINT "parameter values. The following table show units for each "
4470 PRINT "parameter data as used in this program."
  80 PRINT
4490 PRINT "                                English         Metric"
4500 PRINT "   Head                           ft              m  "
  10 PRINT "   Hydraulic Conductivity    gal/day/Sq.ft      m/day"
  20 PRINT "   Transmissivity             gal/day/ft       Sq.m/day"
4530 PRINT "   Withdrawal/node             gal/day         Cu.m/day"
4540 PRINT "   Withdrawal(per unit area) gal/day/Sq.ft      m/day"
  50 PRINT "   Distance                       ft              m"
4560 PRINT "   Time                           day            day"
4570 PRINT "   Leakance                  gal/day/Cu.ft      1/day"
  80 PRINT
4590 PRINT "   Storage coefficient is expressed as a decimal."
4600 PRINT
  10 INPUT "   Enter selected system of units (E-English, M-Metric) ",UN$
  20 IF UN$="E" OR UN$="e" THEN KS=7.48052 ELSE KS=1
4630 IF UN$ <> "E" AND UN$ <> "e" AND UN$ <> "M" AND UN$ <> "m" THEN PRINT "Try again": GOTO 4610
4640 PRINT
4650 INPUT "Do you wish to redo this screen data (Y-yes, N-no)? ",OK$
4660 IF OK$<>"N" AND OK$<>"n" AND OK$<>"Y" AND OK$<>"y" THEN PRINT "(Y-yes, N-no)":GOTO 4650
4670 IF OK$="y" OR OK$="Y" THEN GOTO 4270
     REM
  0 REM *** INPUT GRID AND SPACING ***
4700 REM
  10 CLS
```

```
4720 PRINT
4730 PRINT SPC(20);"          GRID NOTATION"
  40 PRINT
  50 PRINT SPC(20);"    I=1  2  3        ...NC "
4760 PRINT SPC(20);"  J=1 +--+--+--+--------+  "
     PRINT SPC(20);"      |  |  |  |        |  DELY(J)"
     PRINT SPC(20);"    2 +--+--+--+--------+  "
4790 PRINT SPC(20);"      |  |  |  |        |  "
4800 PRINT SPC(20);"    3 +--+--+--+--------+  "
  810 PRINT SPC(20);"    . |  |  |  |        |  "
4820 PRINT SPC(20);"    : |  |  |  |        |  "
4830 PRINT SPC(20);"   NR +--+--+--+--------+  "
  840 PRINT SPC(20);"                 DELX(I)"
  850 PRINT
4860 PRINT "   Overlay the grid shown above onto the map of the aquifer. NR"
  870 PRINT "and NC represent the number of rows and columns of the grid,"
  880 PRINT "respectively. The total number of nodes is given by the product"
4890 PRINT "of NC and NR. You must specify NC and NR to be at least 3."
4900 PRINT "The spacing between the rows and columns of the grid may take"
  910 PRINT "on variable distances.  Specification of the DELX and DELY spacings"
  920 PRINT "follows on the next screen."
4930 PRINT
  940 INPUT "Enter number of rows of grid ",NR
  950 PRINT "                              ";NR
4960 IF NR<3 THEN PRINT "Number of rows must be greater than 2":GOTO 4940
4970 INPUT "Enter number of columns of grid ",NC
  980 IF NC<3 THEN PRINT "Number of columns must be greater than 2":GOTO 4970
4990 PRINT "                                 ";NC
5000 PRINT
  010 PRINT "The spacings, DELX(I), below are in the COLUMN direction."
  020 PRINT "Enter a spacing now or press <RETURN> to use the previous value"
5030 PRINT
  040 FOR I=2 TO NC
  050     PRINT "Enter spacing for DELX of";I-1;
5060      INPUT "",DELX(I)
5070      IF I=2 AND DELX(I)=0 THEN PRINT "A zero distance is not valid":GOTO 5050
  080     IF DELX(I)<0 THEN PRINT "A negative value is invalid":GOTO 5050
5090      IF DELX(I)=0 THEN DELX(I)=DELX(I-1)
5100      PRINT "                    delx(";I-1;") = ";DELX(I)
  110 NEXT I
  120 DELX(1)=DELX(2)
5130 DELX(NC+1)=DELX(NC)
  140 PRINT
  150 INPUT "Do you wish to reenter the DELX(I) spacings (Y-yes N-no)? ",OK$
5160 IF OK$="Y" OR OK$="y" THEN GOTO 5000
5170 IF OK$<>"Y" AND OK$<>"y" AND OK$<>"N" AND OK$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 5150
  180 PRINT
  190 PRINT "The spacings, DELY(J), below are in the ROW direction."
5200 PRINT "Enter a spacing now or press <RETURN> to use the previous value"
  210 PRINT
  220 FOR I=2 TO NR
5230      PRINT "Enter spacing for DELY of";I-1;
  240     INPUT "",DELY(I)
  250     IF I=2 AND DELY(I)=0 THEN PRINT "A zero distance is not valid":GOTO 5230
5260      IF DELY(I)<0 THEN PRINT "A negative distance is invalid":GOTO 5230
5270      IF DELY(I)=0 THEN DELY(I)=DELY(I-1)
  280     PRINT "                    dely(";I-1;") = ";DELY(I)
  290 NEXT I
5300 DELY(1)=DELY(2)
  310 DELY(NR+1)=DELY(NR)
```

```
5320 PRINT
5330 INPUT "Do you wish to reenter the DELY(J) spacings (Y-yes N-no)? ",OK$
   0 IF OK$="Y" OR OK$="y" THEN GOTO 5180
5350 IF OK$<>"Y" AND OK$<>"y" AND OK$<>"N" AND OK$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 5330
5360 PRINT
     NPUT "Do you want to redo the entire grid and spacings (Y-yes, N-no)? ",OK$
  U IF OK$="Y" OR OK$="y" THEN 4680
5390 IF OK$<>"Y" AND OK$<>"y" AND OK$<>"N" AND OK$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 5370
  0 REM
   0 REM *** INPUT DEFAULT PARAMETERS ***
5420 REM
5430 CLS
   0 PRINT:PRINT SPC(23);"DEFAULT PARAMETER DATA":PRINT
  0 PRINT " Now let us fill the arrays of transmissivity, storage coefficient,"
5460 PRINT "head and withdrawal rate with default values. By default the "
   0 PRINT "aquifer is assumed homogeneous and isotropic."
   0 PRINT
5490 INPUT "Enter default hydraulic conductivity ",PPERM
5500 PRINT "                                    ";PPERM
   0 IF CONFINED$="c" OR CONFINED$="C" THEN GOTO 5550
5520 INPUT "Enter default bottom of aquifer ",BBOTT
5530 PRINT "                                ";BBOTT
   ) GOTO 5570
  0 INPUT "Enter default tranmissivity ",TT
5560 PRINT "                           ";TT
  ) INPUT "Enter default storage coefficient ",SC:IF SC =<0 THEN PRINT "Storage coefficient must be greater than zero @#!":BEEP:BEEP
   0 PRINT "                                ";SC
5590 INPUT "Enter default elevation of head ",HH
5600 PRINT "                              ";HH
  ) IF CONFINED$<>"C" AND CONFINED$<>"c" THEN TT=PPERM*(HH-BBOTT)
   'NPUT "Enter default withdrawal rate (per unit area) ",QQ
56  PRINT "                                              ";QQ
  ) INPUT "Enter default leakance coefficient (K'/m') ",RR
  ) PRINT "                                    ";RR
5660 INPUT "Enter default elevation of source bed head ",RRH
  0 PRINT "                                           ";RRH
  ) INPUT "Enter default confining layer bottom elevation ",RRD
5690 PRINT "                                             ";RRD
5700 PRINT
  ) INPUT "Do you want to redo this screen data (Y-yes, N-no)? ";OK$
  0 IF OK$="Y" OR OK$="y" THEN 5400
5730 IF OK$<>"Y" AND OK$<>"y" AND OK$<>"N" AND OK$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 5710
  GOSUB 7670
  ) REM
5760 REM *** INPUT SPECIAL ZONE PARAMETERS ***
  0 REM
  CLS
5790 PRINT:PRINT SPC(28);"SPECIAL ZONES":PRINT
5800 PRINT "Is there a zone within the area of interest where any parameters"
  PRINT "shown on the previous default (or disk stored) value screens have"
  PRINT "different values?"
5830 PRINT "     (NOTE. If you want constant withdrawal"
  PRINT "     rates differing from node to node, these"
  PRINT "     are also treated as special zones.)"
5860 PRINT
  0 INPUT "              (Y-yes, N-no) ";ZO$
  IF ZO$="N" OR ZO$="n" THEN 6830
5890 IF ZO$<>"n" AND ZO$<>"N" AND ZO$<>"Y" AND ZO$<>"y" THEN GOTO 5870
5900 ZN=0
  REM Loop on node cards begins here
```

```
5920 PRINT
5930 ZN=ZN+1
  40 CLS:PRINT:PRINT SPC(18);"SPECIAL ZONE INPUT MENU"
  50 PRINT
5970 PRINT "   Fit a rectangle around the zone. Specify the corner nodes"
     PRINT "I1,J1,I2, and J2 such that I1 <= I2 and J1 <= J2. A line zone"
  90 PRINT "could be represented by either I1=I2 or J1=J2. Similarly a point"
6000 PRINT "could be made by both I1=I2 and J1=J2. Use the figure below for"
6010 PRINT "understanding program notation"
  20 PRINT
6030 PRINT SPC(20);"+--->I --------------------------+"
6040 PRINT SPC(20);"|                                |"
  50 PRINT SPC(20);"v      (I1,J1)                  |"
  50 PRINT SPC(20);"J         +-------------+       |"
6070 PRINT SPC(20);"|         |             |       |"
6080 PRINT SPC(20);"|         |             |       |"
  90 PRINT SPC(20);"|         +-------------+       |"
6100 PRINT SPC(20);"|                     (I2,J2)    |"
6110 PRINT SPC(20);"+--------------------------------+"
  20 PRINT
  50 INPUT  "Enter values of I1 and J1 (example 3,5) ",I1,J1
6160 IF I1<1 OR I1>NC THEN PRINT "That point is off of the grid.":GOTO 6150
  70 IF J1<1 OR J1>NR THEN PRINT "That point is off of the grid.":GOTO 6150
  80 PRINT "                                        ";I1;",";J1
6190 INPUT "Enter values of I2 and J2  ",I2,J2
6200 IF I2<1 OR I2>NC THEN PRINT "That point is off of the grid.":GOTO 6190
  10 IF J2<1 OR J2>NR THEN PRINT "That point is off of the grid.":GOTO 6190
6220 PRINT "                          ";I2;",";J2
6230 IF (I1>I2) OR (J1>J2) THEN PRINT "Cannot form a rectangle!": GOTO 6120
  30 IF MD = 1 THEN PRINT:PRINT "   If you want to keep the default value for any of the "
     IF MD = 3 THEN PRINT:PRINT "   If you want to keep the restart value for any of the "
6.   PRINT "following parameters type 999 instead"
  70 PRINT
  90 INPUT "Enter hydraulic conductivity in 2ND LAYER ",PERM22
6290 IF MD=3 THEN 6310
6300 IF MD=1 OR MD=2 THEN IF PERM22=999 THEN PERM22=PPERM
  10 PRINT "                                        ";PERM22
6320 INPUT "Enter hydraulic conductivity in 1ST LAYER ",PERM11
6330 IF MD=3 THEN 6350
  40 IF PERM11=999 THEN PERM11=PPERM
  50 PRINT "                                        ";PERM11
6360 IF CONFINED$="C" OR CONFINED$="C" THEN GOTO 6420
6370 INPUT "Enter elevation of the bottom of aquifer ";BOTIJ
  80 IF MD=3 THEN 6400
6390 IF BOTIJ=999 THEN BOTIJ=BBOTT
6400 PRINT "                                    ";BOTIJ
  10 GOTO 6500
6420 INPUT "Enter transmissivity in J direction ",TJJ
6430 IF MD=3 THEN 6450
  40 IF TJJ=999 THEN TJJ=TT
  50 PRINT "                                  ";TJJ
6460 INPUT "Enter transmissivity in I direction ",TII
6470 IF MD=3 THEN 6490
  80 IF TII=999 THEN TII=TT
6490 PRINT "                                  ";TII
6500 INPUT "Enter storage coefficient ",SCIJ:IF MD=3 THEN 6520 ELSE IF SCIJ =<0 THEN PRINT "No no #$! Storage has to be larger than z
     IF SCIJ=999 THEN SCIJ=SC
6.10 PRINT "                          ";SCIJ
6530 INPUT "Enter head value for aquifer ",HIJ
  10 IF MD=3 THEN 6570
```

```
6550 IF HIJ=999 THEN HIJ=HH
6560 IF CONFINED$<>"C" AND CONFINED$<>"c" THEN TJJ=PERM22*(HIJ-BOTIJ):TII=PERM11*(HIJ-BOTIJ)
   70 PRINT "                ";HIJ
6580 INPUT "Enter withdrawal rate (per unit area) ",QIJ
     XQIJ=1
     PRINT "Enter multiplication factor for withdrawal [";XQIJ;" ]";:INPUT TEMP$:IF LEN(TEMP$)>0 THEN XQIJ=VAL(TEMP$)
     IF XQIJ=0 THEN XQIJ=1
6590 IF MD=3 THEN 6610
   00 IF QIJ=999 THEN QIJ=QQ
   10 PRINT "                                    ";QIJ
6620 INPUT "Enter leakance coefficient (K'/m') of overlying layer ",RRIJ
6630 IF MD=3 THEN 6650
   40 IF RRIJ=999 THEN RRIJ=RR
   50 PRINT "                           ";RRIJ
6660 INPUT "Enter elevation of head in source bed above leakance layer ",RHIJ
   70 IF MD=3 THEN 6690
   80 IF RHIJ=999 THEN RHIJ=RRH
6690 PRINT "                      ";RHIJ
6700 INPUT "Enter elevation of leakance layer bottom ",RDIJ
   10 IF MD=3 THEN 6730
6720 IF RDIJ=999 THEN RDIJ=RRD
6730 PRINT "                           ";RDIJ
   50 PRINT:INPUT "Do you want to redo this screen data (Y-yes N-no)? ",OK$
   40 IF OK$="Y" OR OK$="y" THEN ZN=ZN-1: GOTO 5920
6760 IF OK$<>"Y" AND OK$<>"y" AND OK$<>"N" AND OK$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 6740
   70 IF MD=3 THEN GOSUB 11590 ELSE GOSUB 11270
   80 PRINT
6800 INPUT "Do you have more special zones (Y-yes, N-no)? ",ZO$
6810 IF ZO$="Y" OR ZO$="y" THEN 5910
   40 IF ZO$<>"Y" AND ZO$<>"y" AND ZO$<>"N" AND ZO$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 6800
   50 PRINT:IF ZO$ = "N" OR ZO$ = "n" THEN INPUT "Are You Sure That There Are No Other Special Zones Y/N? ";ZO$:IF ZO$="N" OR ZO$="n"
6850 REM
   60 REM *** Rule-of-thumb error calculation ***
   70 REM
6870 CLS
6880 PRINT:PRINT SPC(20);"ERROR CHECK ON PREDICTED HEAD":PRINT
   90 PRINT "   As a rule of thumb, the following relationship may be used"
6900 PRINT "for determining convergence of predicted heads":PRINT
6910 PRINT "ERROR = Implied accuracy per node times the number of model nodes."
   20 PRINT "          At this point, let us assume that we want an implied"
   30 PRINT "          node accuracy of 0.01 ft or m.  The calculation of"
6940 PRINT "          the convergence ERROR then becomes 0.01 * NC * NR."
   50 PRINT
   60 ER=NC*NR*.01
6970 PRINT "Using your entered data, the ERROR is computed as =";ER;" ft (or m)"
6980 PRINT
   90 INPUT "Do you want to change this value (Y-yes, N-no)? ",OK$
7000 IF OK$="Y" OR OK$="y" THEN PRINT:INPUT "Enter error value:",ER
7010 IF OK$<>"Y" AND OK$<>"y" AND OK$<>"N" AND OK$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 6990
   30 PRINT
   40 PRINT "Chosen error value=";ER
7040 PRINT
   50 INPUT "Do you wish to redo this screen data (Y-yes, N-no)? ",OK$
   60 IF OK$<>"N" AND OK$<>"n" AND OK$<>"Y" AND OK$<>"y" THEN PRINT "(Y-yes, N-no)":GOTO 7050
7070 IF OK$="y" OR OK$="Y" THEN GOTO 6830
   90 CLS:PRINT:PRINT:PRINT SPC(20);"PUMPING SELECTION MENU":PRINT
   00 PRINT "Do you wish variable withdrawal rates and mine progression or constant"
7100 INPUT " withdrawal rates or use saved values (V-variable, C-constant S-saved)? ",RATETYPE$
7110 IF RATETYPE$<>"v" AND RATETYPE$<>"V" AND RATETYPE$<>"c" AND RATETYPE$<>"C" AND RATETYPE$<>"S" AND RATETYPE$<>"s" THEN PRINT "(V-
   20 IF RATETYPE$="v" OR RATETYPE$="V" THEN GOSUB 10810
```

```
7122 IF RATETYPE$="C" OR RATETYPE$="c" THEN GOSUB 10630
     IF RATETYPE$="S" OR RATETYPE$="s" THEN GOSUB 11254
  30 RETURN
7140 REM name: PCONT
7150 REM purpose: To read the data stored in an external file FILE$
      EM called by PMAIN
  70 REM note: Statements for opening and closing an external file may
7180 REM       differ from computer to computer.  Consult your manual
  90 REM       for details on using an external file:",FILE$
 210 REM
7210 CLS:PRINT:PRINT SPC(18);"EXTERNAL FILE INPUT DATA MENU":PRINT
7220 PRINT "The files that you have on the default disk are listed as follows:"
 240 PRINT
 240 FILES "*.PLA"
7250 PRINT
 260 PRINT "Enter the name of the external file for input---DO NOT"
 270 PRINT "use any extensions or drive designation nor more than "
7280 PRINT "eight (8) characters or letters.  You MUST choose from"
7290 PRINT "the above list-----are you ready??"
 300 PRINT
7310 INPUT "Enter the name of the external file for input (Example TAPDAT6) ",FILE$
7320 IF LEN(FILE$)>8 THEN PRINT "You have to use eight or less characters!!":GOTO 7250
 330 FILE$=FILE$+".PLA"
 340 OPEN "I",#1,FILE$
7350 LINE INPUT#1,A$
 360 INPUT#1, CONFINED$
 370 INPUT#1, PREDICTOR$
7380 INPUT#1, WBALANCE$
7390 INPUT#1, WBB
 400 INPUT#1, DISK$
     INPUT#1, RATETYPE$
7   INPUT#1, FORM$
 42 INPUT#1, FILL$
 430 INPUT#1, NS,DE,ER,KS
7440 INPUT#1,NC,NR,NP,NSP,NRT,NM,NRTNM
7450 INPUT#1, TT,SC,HH,QQ,RR,RRH,RRD,PPERM
 460 FOR I=1 TO NC
7470     FOR J=1 TO NR
7480         INPUT#1,I,J,TI(I,J),TJ(I,J),SF(I,J),H(I,J),Q(I,J),R(I,J),RH(I,J),RD(I,J),BOTT1(I,J),BOTT2(I,J),PERM1(I,J),PERM2(I,J),BAL
 490         HO(I,J)=H(I,J)
 500     NEXT J
7510 NEXT I
 520 FOR I=1 TO NC+1
 530     INPUT #1,DELX(I)
7540 NEXT I
7550 FOR J=1 TO NR+1
 560     INPUT #1,DELY(J)
7570 NEXT J
7580 FOR I=1 TO NP
 590     INPUT #1,IP(I),JP(I)
 600     FOR N=1 TO NRT
7610           INPUT #1,P(I,N)
 620     NEXT N
 630 NEXT I
     REM   READ MINE NODE DATA
     IF NM<=0 THEN 7640
     FOR I=1 TO NM
         INPUT#1,IM(I),JM(I)
         FOR N=1 TO NRTNM
            INPUT#1,M(I,N)
```

```
          NEXT N
       NEXT I
 7640 REM IF MD=3 THEN NP=0:NSP=0:NRT=0
 7650 CLOSE 1
 7660 RETURN
      REM name: PDEF
 7000 REM purpose: PDEF is used to fill the array values variables in PLASM
 7690 REM          with default values.
 7700 REM called by: PINT, PSUB, PEXT
 7710 REM calls: none
 7720 REM
 7730 FOR I=1 TO NC
 7740     FOR J=1 TO NR
 7750         TJ(I,J)=TT:TI(I,J)=TT
 7760         SF(I,J)=SC:H(I,J)=HH
 7770         HO(I,J)=HH:Q(I,J)=QQ
 7780         R(I,J)=RR:RH(I,J)=RRH:RD(I,J)=RRD
 7790         PERM1(I,J)=PPERM:PERM2(I,J)=PPERM:BOTT1(I,J)=BBOTT:BOTT2(I,J)=BBOTT
 7800     NEXT J
  810 NEXT I
  820 LPRINT "Aquifer Default Values Are:"
 7830 LPRINT "  Transmissivity         = ";TT:LPRINT "  Hydraulic Conductivity = ";PPERM
 7840 LPRINT "  Aquifer Head           = ";HH
  850 LPRINT "  Net Withdrawal Rate    = ";QQ
 7860 LPRINT "  Leakance               = ";RR
 7870 LPRINT "  Source Bed Head        = ";RRH
  880 LPRINT "  Leaky Layer Bottom     = ";RRD
  890 IF CONFINED$ <> "c" AND CONFINED$ <>"C" THEN LPRINT "  Bedrock Elev.  = ";BBOTT
 7900 LPRINT
  910 RETURN
      REM name: PECHO
      CLS
 7940 REM Purpose: To print out the data entered on the screen and, if
  950 REM          available, on a line printer.
 7960 REM called by: PMAIN
 7970 REM calls: none
  980 REM
   90 PRINT SPC(30);"INPUT DATA":PRINT
 8000 LPRINT:LPRINT SPC(19);"INTERACTIVE MICROCOMPUTER PLASM"
 8010 LPRINT:LPRINT:LPRINT SPC(26)"INPUT DATA PRINTOUT":LPRINT
   20 PRINT "System of units used";
 8030 LPRINT "System of units ;used";
 8040 IF KS=1 THEN PRINT " = METRIC ":LPRINT " = METRIC (m-day)"
   50 IF KS<> 1 THEN PRINT " = ENGLISH ":LPRINT " = ENGLISH (gal-day-ft)"
 8060 PRINT "Number of time steps=";NS
 8070 LPRINT "Number of time steps=";NS
   80 PRINT "Initial time step=";DE;" days"
   90 LPRINT "Initial time step=";DE;" days"
 8100 PRINT "Number of rows and columns=";NR;NC
 8110 LPRINT "Number of rows and columns=";NR;NC
    0 PRINT "Allowed error in head between iteration=";ER
 8130 LPRINT "Allowed error in head between iteration=";ER
 8140 IF CONFINED$="C" OR CONFINED$="c" THEN PRINT "Confined conditions.":LPRINT "Confined conditions." ELSE PRINT "Unconfined conditi
    0 IF WBALANCE$="y" OR WBALANCE$="Y" THEN PRINT "Water balance in effect. Cutoff value = ";WBB:LPRINT "Water balance in effect. Cut
 8180 IF PREDICTOR$="Y" OR PREDICTOR$="y" THEN PRINT "Predictor in effect.":LPRINT "Predictor in effect." ELSE PRINT "Predictor not in
 8190 PRINT:PRINT SPC(29);"INITIAL HEAD":PRINT
      LPRINT:LPRINT SPC(29);"INITIAL HEAD":LPRINT
 8200 FOR J=1 TO NR
 8200     FOR I=1 TO NC
 8210         PRINT USING " #.####^^^^";H(I,J);
```

```
8220          IF I MOD 5 = 0 THEN PRINT:PRINT "     ";
8230          LPRINT USING " #.####^^^^";H(I,J);
              IF I MOD 5 = 0 THEN LPRINT:LPRINT "     ";
8250      NEXT I
8260      PRINT:LPRINT
      EXT J
    PRINT:LPRINT
8290 PRINT SPC(20);"TRANSMISSIVITY IN I-DIRECTION":PRINT
8300 LPRINT SPC(20);"TRANSMISSIVITY IN I-DIRECTION":LPRINT
    FOR J=1 TO NR
8320      FOR I=1 TO NC
8330          PRINT USING " #.####^^^^";TI(I,J);
              IF I MOD 5 = 0 THEN PRINT:PRINT "     ";
              LPRINT USING " #.####^^^^";TI(I,J);
8360          IF I MOD 5 = 0 THEN LPRINT:LPRINT "     ";
      NEXT I
      PRINT:LPRINT
8390 NEXT J
8400 PRINT:LPRINT
    PRINT SPC(20);"TRANSMISSIVITY IN J-DIRECTION":PRINT
8420 LPRINT SPC(20);"TRANSMISSIVITY IN J-DIRECTION":LPRINT
8430 FOR J=1 TO NR
      FOR I=1 TO NC
          PRINT USING " #.####^^^^";TJ(I,J);
8460          IF I MOD 5 = 0 THEN PRINT:PRINT "     ";
              LPRINT USING " #.####^^^^";TJ(I,J);
              IF I MOD 5 = 0 THEN LPRINT:LPRINT "     ";
8490      NEXT I
8500      PRINT:LPRINT
  NEXT J
    PRINT:LPRINT
    PRINT SPC(28);"STORAGE COEFFICIENT":PRINT
  LPRINT SPC(28);"STORAGE COEFFICIENT":LPRINT
  FOR J=1 TO NR
8560      FOR I=1 TO NC
              PRINT USING " #.####^^^^";SF(I,J);
              IF I MOD 5 = 0 THEN PRINT:PRINT "     ";
8590          LPRINT USING " #.####^^^^";SF(I,J);
8600          IF I MOD 5 = 0 THEN LPRINT:LPRINT "     ";
      NEXT I
      PRINT:LPRINT
8630 NEXT J
    PRINT:LPRINT
  PRINT SPC(30);"NET DISCHARGE":PRINT
8660 LPRINT SPC(30);"NET DISCHARGE":LPRINT
8670 FOR J=1 TO NR
      FOR I=1 TO NC
8690          PRINT USING " #.####^^^^";Q(I,J);
8700          IF I MOD 5 = 0 THEN PRINT:PRINT "     ";
              LPRINT ;USING " #.####^^^^";Q(I,J);
              IF I MOD 5 = 0 THEN LPRINT:LPRINT "     ";
8730      NEXT I
      PRINT:LPRINT
  NEXT J
8760 PRINT:LPRINT
    PRINT:LPRINT
    PRINT SPC(30);"LEAKANCE ":PRINT
8790 LPRINT SPC(30);"LEAKANCE":LPRINT
8800 FOR J=1 TO NR
      FOR I=1 TO NC
```

```
8820          PRINT USING " #.####^^^^";R(I,J);
8             IF I MOD 5 = 0 THEN PRINT:PRINT "     ";
              LPRINT ;USING " #.####^^^^";R(I,J);
8850          IF I MOD 5 = 0 THEN LPRINT:LPRINT "     ";
8             NEXT I
              PRINT:LPRINT
8880 NEXT J
8890 PRINT:LPRINT
   0 PRINT:LPRINT
   0 PRINT SPC(30);"SOURCE BED HEAD":PRINT
8920 LPRINT SPC(30);"SOURCE BED HEAD":LPRINT
8  0 FOR J=1 TO NR
   0     FOR I=1 TO NC
8950          PRINT USING " #.####^^^^";RH(I,J);
8960          IF I MOD 5 = 0 THEN PRINT:PRINT "     ";
   0          LPRINT ;USING " #.####^^^^";RH(I,J);
8980          IF I MOD 5 = 0 THEN LPRINT:LPRINT "     ";
8990      NEXT I
          PRINT:LPRINT
   0 NEXT J
9020 PRINT:LPRINT
9   0 PRINT:LPRINT
   0 PRINT SPC(30);"CONFINING BED BOTTOM":PRINT
9050 LPRINT SPC(30);"CONFINING BED BOTTOM":LPRINT
9060 FOR J=1 TO NR
   0     FOR I=1 TO NC
9080          PRINT USING " #.####^^^^";RD(I,J);
9090          IF I MOD 5 = 0 THEN PRINT:PRINT "     ";
9  0          LPRINT ;USING " #.####^^^^";RD(I,J);
   0          IF I MOD 5 = 0 THEN LPRINT:LPRINT "     ";
              NEXT I
9             PRINT:LPRINT
   0 NEXT J
9150 PRINT:LPRINT
9160 PRINT:LPRINT
   0 PRINT SPC(10);"HYDRAULIC CONDUCTIVITY IN THE 1ST LAYER":PRINT "(unadjusted)":PRINT
   0 LPRINT SPC(10);"HYDRAULIC CONDUCTIVITY IN THE 1ST LAYER":LPRINT "(unadjusted)":LPRINT
9190 FOR J=1 TO NR
9   0     FOR I=1 TO NC
   0          PRINT USING " #.####^^^^";PERM1(I,J);
9220          IF I MOD 5 = 0 THEN PRINT:PRINT "     ";
9230          LPRINT ;USING " #.####^^^^";PERM1(I,J);
              IF I MOD 5 = 0 THEN LPRINT:LPRINT "     ";
9260      NEXT I
          PRINT:LPRINT
   0 NEXT J
   0 PRINT:LPRINT
9290 PRINT:LPRINT
9   0 PRINT SPC(10);"HYDRAULIC CONDUCTIVITY IN THE 2ND LAYER":PRINT "(unadjusted)":PRINT
   0 LPRINT SPC(10);"HYDRAULIC CONDUCTIVITY IN THE 2ND LAYER":LPRINT "(unadjusted)":LPRINT
9320 FOR J=1 TO NR
9330      FOR I=1 TO NC
   0          PRINT USING " #.####^^^^";PERM2(I,J);
   0          IF I MOD 5 = 0 THEN PRINT:PRINT "     ";
9360          LPRINT ;USING " #.####^^^^";PERM2(I,J);
              IF I MOD 5 = 0 THEN LPRINT:LPRINT "     ";
          NEXT I
9390      PRINT:LPRINT
9400 NEXT J
   0 PRINT:LPRINT
```

```
9420 PRINT:LPRINT
  30 IF CONFINED$="C" OR CONFINED$="c" THEN 9560
  40 PRINT SPC(10);"ELEVATION OF BOTTOM OF AQUIFER":PRINT
9450 LPRINT SPC(10);"ELEVATION OF BOTTOM OF AQUIFER":LPRINT
9460 FOR J=1 TO NR
         FOR I=1 TO NC
             PRINT USING " #.####^^^^";BOTT2(I,J);
9490         IF I MOD 5 = 0 THEN PRINT:PRINT "     ";
  00         LPRINT ;USING " #.####^^^^";BOTT2(I,J);
  10        IF I MOD 5 = 0 THEN LPRINT:LPRINT "     ";
9520     NEXT I
  30     PRINT:LPRINT
  40 NEXT J
9550 PRINT:LPRINT
9560 PRINT:LPRINT
  70 LPRINT "These are the DELX values (i.e. column spacing)"
  80 PRINT "These are the DELX values (i.e. column spacing)"
9590 LPRINT:PRINT
  00 FOR I=2 TO NC
  10     LPRINT "The spacing between node";I-1;" and node";I;" is ";DELX(I)
9620     PRINT "The spacing between node";I-1;" and node";I;" is ";DELX(I)
9630 NEXT I
  40 PRINT:LPRINT
9650 LPRINT:PRINT
9660 LPRINT "These are the DELY values (i.e. row spacing)"
  70 PRINT "These are the DELY values (i.e. row spacing)"
  80 LPRINT:PRINT
9690 FOR I=2 TO NR
  00     LPRINT "The spacing between node";I-1;" and node";I;" is ";DELY(I)
  10     PRINT "The spacing between node";I-1;" and node";I;" is ";DELY(I)
  20 NEXT I
9    PRINT:LPRINT
  30 IF RATETYPE$="C" OR RATETYPE$="c" THEN GOTO 9850
  50 PRINT:LPRINT
9760 PRINT SPC(20);"PUMPS AND SCHEDULES"
  70 LPRINT SPC(20);"PUMPS AND SCHEDULES"
  80 FOR I=1 TO NP
9790     LPRINT:LPRINT "The well located at (";IP(I);",";JP(I);") has the following pumping schedule:"
9800     PRINT:PRINT "The well located at (";IP(I);",";JP(I);") has the following pumping schedule:"
  10     FOR J=1 TO NRT
9820         LPRINT "For time=";DAYS*(J-1);" to ";DAYS*J;" the withdrawal rate of ";P(I,J)
9830         PRINT "For time=";DAYS*(J-1);" to ";DAYS*J;" the withdrawal rate of ";P(I,J)
  50 NEXT J:NEXT I
  60 RETURN
9860 REM name: PEXT
  80 REM Purpose: To store the data entered interactively into an
  90 REM          an user specified external file.
9890 REM called by: PMAIN
9900 REM calls: none
  10 REM note: Statements for opening and closing an external file may
9920 REM       differ from computer to computer.  Consult your manual
9930 REM       for details on using an external file.
9940 CLS:PRINT SPC(18);"EXTERNAL FILE DATA OUTPUT MENU"
  50 REM
9960 PRINT
9    PRINT "Enter the name of the external file for data output---DO NOT"
     PRINT "use any extensions or drive designation nor more than "
9990 PRINT "eight (8) characters or letters.  Are you ready??"
10000 PRINT
  10 INPUT "Enter name of the external file for data storage (Example TAPDAT6) ",DRAWER$
```

```
10020 IF LEN(DRAWER$)>8 THEN PRINT "You have to use eight or less characters!!":GOTO 9960
10030 DRAWER$=DRAWER$+".PLA"
 0040 OPEN "O",1,DRAWER$
 0050 PRINT#1, "name:";DRAWER$;", EXTERNAL FILE FOR PLASM PROGRAM"
10060 PRINT#1, CONFINED$
      PRINT#1, PREDICTOR$
 0080 PRINT#1, WBALANCE$
10090 PRINT#1, WBB
10100 PRINT#1, DISK$
 0110 PRINT#1, RATETYPE$
 0120 PRINT#1, FORM$
10122 PRINT#1, FILL$
 0130 PRINT#1, NS;DE;ER;KS
 0140 PRINT#1,NC;NR;NP;NSP;NRT;NM;NRTNM
10150 PRINT#1, TT;SC;HH;QQ;RR;RRH;RRD;PPERM
 0160 FOR I=1 TO NC
 0170     FOR J=1 TO NR
10180         PRINT#1,I;J;TI(I,J);TJ(I,J);SF(I,J);H(I,J);Q(I,J);R(I,J);RH(I,J);RD(I,J);BOTT1(I,J);BOTT2(I,J);PERM1(I,J);PERM2(I,J);BA
10190     NEXT J
 0200 NEXT I
 0210 FOR I=1 TO NC+1
10220     PRINT #1,DELX(I)
 0230 NEXT I
 0240 FOR J=1 TO NR+1
10250     PRINT #1,DELY(J)
10260 NEXT J
 0270 FOR I=1 TO NP
 0280     PRINT #1,IP(I),JP(I)
10290     FOR N=1 TO NRT
 0300           PRINT #1,P(I,N)
          NEXT N
      NEXT I
      REM   WRITE MINE NODE DATA
      FOR I=1 TO NM
          PRINT#1,IM(I);JM(I)
          FOR N=1 TO NRTNM
             PRINT#1,M(I,N)
          NEXT N
      NEXT I
 0530 CLOSE 1
 0540 RETURN
10350 REM name: HEXT
10360 REM purpose: To set up the storage name for calculated heads
 0370 REM on external file in disk area.
10380 REM calls: none
10390 REM
 0400 REM note: Statements for opening and closing an external file may
 0410 REM       differ from computer to computer.  Consult your manual
10420 REM       for details on using an external file.
 0430 CLS
 0440 PRINT:PRINT SPC(18);"EXTERNAL FILE MENU FOR HEAD OUTPUT":PRINT
10450 PRINT "Please put a fresh formatted disk into the default drive"
10460 INPUT "and then hit <RETURN> to continue.",OK$
 0470 PRINT
10480 PRINT "Now, use four upper case alphabetic letters"
 0490 PRINT "to specify file name for heads.  For example HEAD"
      PRINT "DO NOT USE numeric characters or any extensions!!!"
 0510 PRINT
10520 INPUT "Pay attention now and enter name of file to be used to store heads  ";FILL$
 0530 IF LEN(FILL$)>4 THEN PRINT "Please use four or fewer characters.":GOTO 10470
```

```
10540 M$=FILL$
10550 N$=STR$(NS)
10560 O$=FILL$+N$
10570 PRINT
10580 PRINT "Heads will be stored under file names ";FILL$;" 1 - ";FILL$;NS
10590     PRINT:PRINT"Choose Surfer format below for all RANDOM WALK simulations!"
10600 INPUT "Please specify Surfer or Tapdot format (S-Surfer or T-Tapdot)";FORM$
10610 FOR I=1 TO 1000:NEXT I
10620 RETURN
10630 CLS
10640 PRINT:PRINT SPC(13);"SIMULATION TIME INPUT FOR CONSTANT WITHDRAWAL RATE MODE":PRINT
10650 INPUT "Enter desired total length of simulation time, in DAYS ",DAYS
10660 PRINT "                                                    ";DAYS
10670 PRINT
10680 PRINT "How many time increments do you want for the total length"
10690 INPUT "of the simulation ",NS
10700 PRINT "                 ";NS
10710 SQUIG=0!
10720 FOR I=0 TO (NS-1)
10730     SQUIG=SQUIG+1.2^I
10740 NEXT I
10750 DE=DAYS/SQUIG
10760 PRINT
10770 INPUT "Do you want to redo this screen data (Y-yes, N-no)? ";OK$
10780 IF OK$="Y" OR OK$="y" THEN 10800
10790 IF OK$<>"Y" AND OK$<>"y" AND OK$<>"N" AND OK$<>"n" THEN PRINT "(Y-yes, N-no)":GOTO 10630
10800 RETURN
10810 REM
10820 REM ----  MINING SCHEDULE ---
10830 REM
      CLS
11250     PRINT:PRINT SPC(18);"MINE NODE PROGRESSION DATA INPUT MODE":PRINT
11252 INPUT "How many mine nodes do you wish? ",NM
      IF NP<0 OR NP>MAXNM THEN PRINT "Illegal number of nodes":GOTO 11252
      PRINT
11254 PRINT "How many rates should be included in the schedule? [";NRTNM;"] ";
      INPUT TEMP$:IF LEN(TEMP$)>0 THEN NRTNM=VAL(TEMP$)
      IF NRTNM<1 OR NRTNM>MAXMRT THEN PRINT "Illegal number of rates":GOTO 11254
      PRINT
      PRINT "How often, in days, do you want the rates to change in your schedule"
      PRINT "The variable pumping rate and mine progression rates change at the same interval"
      INPUT "(Example: for a different rate every 30 days enter 30)? ",DAYS
      PRINT "How many time increments do you want for each rate? [";NSP;" ]";:INPUT TEMP$:IF LEN(TEMP$)>0 THEN NSP=VAL(TEMP$)
      NS=NSP*NRTNM:rem calc total number of steps in model
      SQUIG=0!
      FOR I=0 TO (NSP-1):rem set time step acceleration
          SQUIG=SQUIG+1.2^I
      NEXT I
      DE=DAYS/SQUIG
      IF RATETYPE$="S" OR RATETYPE$="s" THEN RETURN
11256 INPUT "Do you wish to redo this screen data (Y-yes, N-no)? ",OK$
      IF OK$<>"N" AND OK$<>"n" AND OK$<>"Y" AND OK$<>"y" THEN PRINT "(Y-yes, N-no)":GOTO 11256
      IF OK$="y" OR OK$="Y" THEN GOTO 11251
      FOR I=1 TO NM
          CLS:PRINT
11258     PRINT "Enter the I,J coordinate for mine node ";I;
          INPUT " ";IM(I),JM(I)
          IF IM(I)<1 OR IM(I)>NC THEN PRINT "That point is not on the grid":GOTO 11258
          IF JM(I)<1 OR JM(I)>NR THEN PRINT "That point is not on the grid":GOTO 11258
          PRINT
```

```
        FOR K=1 TO NRTNM
            PRINT "Enter rate number ";K;" for mine node ";I;
 1260       INPUT " (elevation - ft ) ";M(I,K)
            NEXT K
        PRINT
        PRINT "Do you wish to redo the rates for mine node ";I;
 1262   INPUT " (Y-yes, N-no)? ",OK$
        IF OK$<>"N" AND OK$<>"n" AND OK$<>"Y" AND OK$<>"y" THEN GOTO 11262
        IF OK$="y" OR OK$="Y" THEN GOTO 11260
    NEXT I
    PRINT
 1263 INPUT "Do you wish to redo mining progression (Y-yes, N-no)? ",OK$
    IF OK$<>"N" AND OK$<>"n" AND OK$<>"Y" AND OK$<>"y" THEN PRINT "(Y-yes, N-no)":GOTO 11263
    IF OK$="Y" OR OK$="y" THEN GOTO 11251
11264 RETURN
  270 REM
 280 REM Incorporating the zone values in original parameter arrays
11290 REM
  300 FOR I=I1 TO I2
  310     FOR J=J1 TO J2
11320         TJ(I,J)=TJJ: TI(I,J)=TII
11330         SF(I,J)=SCIJ: H(I,J)=HIJ: Q(I,J)=QIJ
  340         R(I,J)=RRIJ:RH(I,J)=RHIJ:RD(I,J)=RDIJ
 1350         PERM1(I,J)=PERM11:PERM2(I,J)=PERM22
11360         BOTT1(I,J)=BOTIJ:BOTT2(I,J)=BOTIJ
  380     NEXT J
  390 NEXT I
11400 REM Print the zone values for hard copy records:LPRINT ""
 410 LPRINT "Special Zone Values:"
  420 LPRINT ""
      LPRINT "  Upper left-hand coordinates I,J are ";I1,J1
 1   LPRINT "  Lower right-hand coordinates I,J are ";I2,J2
  450 LPRINT ""
 460 LPRINT "   TJ(I,J) = ";TJJ
11470 LPRINT "   TI(I,J) = ";TII
  480 LPRINT "   PERM2(I,J) = ";PERM22
  490 LPRINT "   PERM1(I,J) = ";PERM11
11500 IF CONFINED$<>"C" AND CONFINED$<>"c" THEN LPRINT "  BOT(I,J) = ";BOTIJ
 510 LPRINT "   SF(I,J) = ";SCIJ
  520 LPRINT "   H(I,J) = ";HIJ
11530 LPRINT "   Q(I,J) = ";QIJ
11540 LPRINT "   LEAKANCE = ";RRIJ
  550 LPRINT "   RH(I,J) = ";RHIJ
 560 LPRINT "   RD(I,J) = ";RDIJ
      LPRINT "   XQIJ =    ";XQIJ
  570 LPRINT "":LPRINT "":LPRINT ""
  580 RETURN
11590 FOR I=I1 TO I2
 600 FOR J=J1 TO J2
   10 IF CONFINED$="u" OR CONFINED$="U" THEN 11660
 1620 IF TJJ=999 THEN 11640
11630 TJ(I,J)=TJJ*(DELX(I)+DELX(I+1))/DELY(J+1)/2
  640 IF TII=999 THEN 11660
  650 TI(I,J)=TII*(DELY(J)+DELY(J+1))/DELX(I+1)/2
11660 IF SCIJ=999 THEN 11680
      SF(I,J)=SCIJ*(DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1))/4*KS
    J IF HIJ=999 THEN 11700
11690 H(I,J)=HIJ
11700 IF QIJ=999 OR Q(I,J) >=0 THEN 11720
   10 Q(I,J)=QIJ*(DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1))/4
```

```
11720 IF RRIJ=999 THEN 11740
 730 R(I,J)=RRIJ*(DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1))/4
 740 IF RHIJ=999 THEN 11760
11750 RH(I,J)=RHIJ
11760 IF RDIJ=999 THEN 11780
      RD(I,J)=RDIJ
 780 IF PERM11=999 THEN 11800
11790 PERM1(I,J)=PERM11
 800 IF PERM22=999 THEN 11830
 810 PERM2(I,J)=PERM22
11820 REM IF CONFINED$="C" OR CONFINED$="c" THEN 11880
 830 IF BOTIJ=999 THEN 11860
 840 BOTT1(I,J)=BOTIJ:BOTT2(I,J)=BOTIJ
11860 Q(I,J)=Q(I,J)*XQIJ
11862 NEXT J
 870 NEXT I
 880 IF CONFINED$="c" OR CONFINED$="C" THEN 11960
11890 REM FOR I = I1 TO I2:FOR J = J1 TO J2
 900 REM IF I<NC THEN TI(I,J)=PERM1(I,J)*SQR((H(I,J)-BOT(I,J))*(H(I+1,J)-BOT(I+1,J)))
 910 REM IF J<NR THEN TJ(I,J)=PERM2(I,J)*SQR((H(I,J)-BOT(I,J))*(H(I,J+1)-BOT(I,J+1)))
11920 REM TI(I,J)=TI(I,J)*(DELY(J)+DELY(J+1))/DELX(I+1)/2
11930 REM TJ(I,J)=TJ(I,J)*(DELX(I)+DELX(I+1))/DELY(J+1)/2
 950 REM NEXT J:NEXT I
11960 RETURN
```

APPENDIX B.

Calibration Results and Input Data

This appendix gives the node for node data that resulted from the model calibration analysis. This then is the starting set of model parameters for the mining impact study. The format for these data can be found in Appendix A in the PRINT # and INPUT # write and read statements. The reader should be cautious in extracting data from these files, as the grid interval, PLASM model block transmissivity calculations have been included in these printout. Again, the absolute values of can be extracted by using the equations given in the transmissivity portion of the computer code given in Appendix A.

STEADY STATE CALIBRATION DATA

name:BALSTAR1.PLA, EXTERNAL FILE FOR PLASM PROGRAM

U

I

S

DC

5 2786.498 40.32 7.48052

63 64 0 0 0 0 0

.2 888 0 0 1000.1 0 1

1 6643.943 6672.688 14961.04 1129.912 -46.71995 80000 1130 1129 989.1425 984.1425 45.40001 45.40001 19

1 2 6686.025 6729.484 14961.04 1129.385 -46.71995 80000 1129.5 1128.5 987.3439 982.3439 45.4 45.4 17

3 6743.797 6823.325 14961.04 1128.502 -46.71995 80000 1128.5 1127.5 985.2124 980.2124 45.40001 45.40001 17

4 6852.948 6924.494 14961.04 1128.654 -46.71995 80000 1128.9 1127.9 982.4565 977.4565 45.4 45.4 17

1 5 6939.784 6958.368 14961.04 1127.705 -46.71995 80000 1127.8 1126.8 979.9684 974.9684 45.41045 45.41045 17

1 6 6939.848 6941.658 14961.04 1127.248 -46.71995 80000 1127.4 1126.4 979.707 974.707 45.44809 45.44809 17

7 6855.51 6547.207 14961.04 1126.844 -24.31997 80000 1127 1126 979.9134 974.9134 45.43138 45.43138 17

8 6238.523 5672.806 14961.04 1126.659 -24.31997 80000 1126.9 1125.9 982.3425 977.3425 41.14233 41.14233 17

1 9 5391.707 5039.321 14961.04 1125.85 -24.31997 80000 1126 1125 985.5817 980.5817 35.46829 35.46829 17

10 4972.146 4801.984 14961.04 1125.32 -24.31997 80000 1125.5 1124.5 990.197 985.197 34.78809 34.78809 17

11 4674.884 4598.87 14961.04 1124.753 -24.31997 80000 1125 1124 995.0048 990.0048 34.7 34.7 17

1 12 4437.301 4368.722 14961.04 1123.208 -24.31997 80000 1123.4 1122.4 999.492 994.492 34.7 34.7 17

13 4177.704 4121.69 14961.04 1121.425 -24.31997 80000 1121.6 1120.6 1005.002 1000.002 34.7 34.7 17

14 3963.909 3913.595 14961.04 1119.911 -46.71995 80000 1120 1119 1010.5 1005.5 34.7 34.7 17

1 15 3774.798 3657.541 14961.04 1118.871 -46.71995 80000 1119 1118 1014.5 1009.5 34.7 34.7 17

1 16 3409.587 3066.78 14961.04 1117.329 -18.23998 80000 1117.4 1116.4 1022.75 1017.75 34.7 34.7 17

17 2678.641 2579.31 14961.04 1115.955 -9.119992 80000 1116 1115 1030 1025 28.7 28.7 17

18 1858.954 4893.479 11220.78 1115.014 -6.079994 60000 1115.1 1114.1 1033.667 1028.667 28.7 28.7 17

19 1175.408 4642.322 7480.52 1114.327 -6.079994 40000 1114.4 1113.4 1037.667 1032.667 28.7 28.7 17

20 1116.761 4425.483 7480.52 1113.542 -6.079994 40000 1113.6 1112.6 1041 1036 28.7 28.7 17

21 1060.156 4163.104 7480.52 1112.728 -6.079994 40000 1112.8 1111.8 1043.667 1038.667 28.7 28.7 17

1 22 970.3551 3593.29 7480.52 1111.679 -6.079994 40000 1111.7 1110.7 1048.333 1043.333 28.7 28.7 17

1 23 817.1104 3096.278 7480.52 1110.688 -6.079994 40000 1110.7 1109.7 1052 1047 24.4 24.4 17

24 746.9073 2847.552 7480.52 1109.766 -6.079994 40000 1109.8 1108.8 1054.8 1049.8 24.4 24.4 17

25 655.2356 2317.835 7480.52 1108.624 -6.079994 40000 1108.6 1107.6 1060.2 1055.2 24.4 24.4 17

1 26 511.166 1910.51 7480.52 1107.884 -6.079994 40000 1107.9 1106.9 1074.8 1069.8 24.4 24.4 17

27 457.3993 1570.971 7480.52 1106.9 -6.079994 40000 1106.9 1105.9 1075.3 1070.3 24.4 24.4 17

28 349.5053 1124.314 7480.52 1105.909 -6.079994 40000 1105.9 1104.9 1076.1 1071.1 16.93333 16.93333 17

1 29 274.4736 941.8824 7480.52 1105.003 -11.67999 40000 1105 1104 1076.2 1071.2 13.2 13.2 17

30 241.5964 888.6383 7480.52 1104.099 -11.67999 40000 1104.1 1103.1 1078.3 1073.3 13.2 13.2 17

31 222.3071 885.4764 7480.52 1103.101 -11.67999 40000 1103.1 1103.1 1078.367 1073.367 13.2 13.2 17

1 32 223.5528 881.9091 7480.52 1102.106 -11.67999 40000 1102.1 1101.1 1078.5 1073.5 14.1 14.1 17

1 33 220.2799 854.7272 7480.52 1101.213 -142.3998 40000 1101.2 1100.2 1078.633 1073.633 14.1 14.1 17

34 218.3461 962.988 7480.52 1100.441 -142.3998 40000 1100.2 1099.2 1078.767 1073.767 14.1 14.1 17

35 253.0929 959.6187 7480.52 1109.252 -142.3998 40000 1109.8 1108.8 1079 1074 14.1 14.1 17

1 36 218.7606 813.8145 7480.52 1096.984 -142.3998 40000 1096.7 1095.7 1075.5 1070.5 14.1 14.1 17

37 211.0251 750.3916 7480.52 1095.398 -142.3998 40000 1095.4 1094.4 1075.433 1070.433 14.1 14.1 17

38 197.112 705.6083 7480.52 1092.387 -273.242 40000 1092.3 1091.3 1075.4 1070.4 14.1 14.1 17

1 39 194.2023 698.441 7480.52 1092.287 -273.242 40000 1092.3 1091.3 1075.5 1070.5 14.1 14.1 17

40 290.3337 343.28 11220.78 1089.859 -409.863 60000 1089.8 1088.8 1073.35 1068.35 14.1 14.1 17

41 367.4952 307.3697 14961.04 1089.13 -546.484 80000 1089.1 1088.1 1073.15 1068.15 14.1 14.1 17

1 42 303.1718 246.824 14961.04 1087.929 -546.484 80000 1087.9 1086.9 1073.799 1068.799 12.09455 12.09455 17

1 43 248.9593 206.224 14961.04 1086.824 -475.1994 80000 1086.8 1085.8 1074.547 1069.547 10.09585 10.09585 17

44 219.9936 184.9959 14961.04 1086.018 -316.7996 80000 1086 1085 1076.2 1071.2 10.1 10.1 17

45 194.5619 154.4105 14961.04 1085.12 -427.1994 80000 1085.1 1084.1 1077.104 1072.104 10.09853 10.09853 17

1 46 150.9807 112.9311 14961.04 1084.815 -427.1994 80000 1084.8 1083.8 1081.201 1076.201 10.15127 10.15127 17

47 107.1655 80.20386 29922.08 1084.611 -427.1994 80000 1084.6 1083.6 1084.981 1079.981 10.11301 10.11301 17

48 66.83562 61.8308 29922.08 1084.302 0 80000 1084.3 1083.3 1087.257 1082.257 10.13032 10.13032 17

1	49	53.38922	53.39117	29922.08	1084.2	0	80000	1084.2	1083.2	1087.902	1082.902	7.290484	7.290484	17
1	50	53.93261	50.07854	29922.08	1084.206	-35.03998	80000	1084.2	1083.2	1087.174	1082.174	1.896352	1.896352	17
1	51	50.33675	50.54188	14961.04	1088.602	-52.55998	80000	1088.6	1088.6	1087.837	1082.837	.49474	.49474	17
1	52	52.40349	51.22572	14961.04	1091.502	-54.71994	80000	1091.5	1090.5	1089.1	1084.1	.591	.591	17
1	53	52.82896	51.59249	14961.04	1092.508	-72.9599	80000	1092.5	1091.5	1088.884	1083.884	.463827	.463827	17
1	54	54.13001	52.32339	14961.04	1097.004	-72.9599	80000	1097	1096	1089.846	1084.846	.407288	.407288	17
1	55	55.19681	54.14581	14961.04	1099.006	-140.1599	80000	1099	1099	1092.1	1087.1	.402	.402	17
1	56	58.67435	57.99518	14961.04	1100.011	-140.1599	80000	1100	1099	1089.588	1084.588	.560917	.560917	17
1	57	63.23604	61.06852	14961.04	1104.007	-140.1599	80000	1104	1103	1088.444	1083.444	.644488	.644488	17
1	58	66.00365	63.12606	14961.04	1107.009	-140.1599	80000	1107	1106	1088.6	1083.6	.641	.641	17
1	59	68.21024	65.10918	14961.04	1110.307	-140.1599	80000	1110.3	1109.3	1088.629	1083.629	.649564	.649564	17
1	60	69.59619	66.50743	14961.04	1113.006	-140.1599	80000	1113	1112	1088.666	1083.666	.646114	.646114	17
1	61	71.14493	70.59671	14961.04	1115.007	-140.1599	80000	1115	1114	1088.6	1083.6	.641	.641	17
1	62	76.3273	76.5576	14961.04	1117.106	-140.1599	80000	1117.1	1116.1	1090.357	1085.357	.84351	.84351	17
1	63	79.80409	79.14258	14961.04	1119.701	-140.1599	80000	1119.7	1118.7	1091.217	1086.217	.940858	.940858	17
1	64	79.51315	79.27564	14961.04	1120.002	-140.1599	80000	1120	1119	1091.2	1086.2	.94	.94	20
2	1	6640.348	6657.28	14961.04	1129.38	-46.71995	80000	1129.5	1128.5	988.6115	983.6115	45.4	45.4	19
2	2	6658.986	6700.338	14961.04	1128.363	-46.71995	429.3803	1127.003	1127.003	986.9955	981.9955	45.4	45.4	0
2	3	6708.857	6773.421	14961.04	1127.49	-46.71995	429.3803	1126.444	1126.444	984.8068	979.8068	45.4	45.4	0
2	4	6786.028	6868.238	14961.04	1126.886	-46.71995	429.3803	1125.446	1125.446	982.2772	977.2772	45.4	45.4	0
2	5	6860.382	6921.264	14961.04	1126.106	-46.71995	429.3803	1124.864	1124.864	980.1536	975.1536	45.67958	45.67958	0
2	6	6850.653	6853.699	14961.04	1125.433	-46.71995	429.3803	1125.554	1125.554	979.4228	974.4228	45.68474	45.68474	0
2	7	6747.817	6546.826	14961.04	1124.781	-24.31997	429.3803	1126.571	1126.571	979.8987	974.8987	45.10451	45.10451	0
2	8	6391.821	5957.425	14961.04	1124.112	-24.31997	429.3803	1126.841	1126.841	981.971	976.971	42.71126	42.71126	0
2	9	5846.583	5324.531	14961.04	1123.258	-24.31997	429.3803	1126.482	1126.482	985.3393	980.3393	39.04615	39.04615	0
2	10	5149.023	4845.045	14961.04	1122.437	-24.31997	429.3803	1126.618	1126.618	990.1589	985.1589	36.5469	36.5469	0
2	11	4582.068	4513.315	14961.04	1121.455	-24.31997	429.3803	1128.612	1128.612	994.7383	989.7383	35.07124	35.07124	0
2	12	4340.557	4246.283	14961.04	1119.896	-24.31997	429.3803	1132.622	1132.622	999.488	994.488	34.7	34.7	0
2	13	21337.37	4019.922	14961.04	1117.685	-24.31997	429.3803	1134.755	1134.755	1005.012	1000.012	34.7	34.7	0
2	14	3901.217	3825.112	14961.04	1117.559	-46.71995	429.3803	1136.015	1136.015	1010.263	1005.263	34.7	34.7	0
2	15	3691.127	3526.843	14961.04	1116.541	-46.71995	429.3803	1136.537	1136.537	1015.158	1010.158	34.7	34.7	0
2	16	3336.659	3021.447	14961.04	1115.241	-13.67998	429.3803	1135.874	1135.874	1022.448	1017.448	33.72021	33.72021	0
2	17	2707.768	2577.937	14961.04	1113.928	-6.079994	429.3803	1133.598	1133.598	1030.226	1025.226	30.18555	30.18555	0
2	18	1831.608	4765.364	11220.78	1112.727	-6.079994	322.0352	1132.147	1132.147	1033.818	1028.818	28.7	28.7	0
2	19	1150.726	4526.354	7480.52	1112.088	-6.079994	214.6902	1131.878	1131.878	1037.454	1032.454	28.7	28.7	0
2	20	1084.158	4282.184	7480.52	1111.42	-6.079994	214.6902	1131.988	1131.988	1040.891	1035.891	28.7	28.7	0
2	21	1024.193	3958.94	7480.52	1110.725	-6.079994	214.6902	1133.069	1133.069	1043.977	1038.977	28.43242	28.43242	0
2	22	935.663	3556.572	7480.52	1109.988	-6.079994	214.6902	1131.947	1131.947	1047.68	1042.68	27.38192	27.38192	0
2	23	825.8996	3159.793	7480.52	1109.228	-6.079994	214.6902	1128.391	1128.391	1051.418	1046.418	26.04732	26.04732	0
2	24	735.8695	2761.021	7480.52	1108.472	-6.079994	214.6902	1125.381	1125.381	1055.055	1050.055	24.73066	24.73066	0
2	25	640.8209	2347.772	7480.52	1107.704	-6.079994	214.6902	1121.817	1121.817	1062.088	1057.088	24.4	24.4	0
2	26	531.9983	1963.751	7480.52	1106.957	-6.079994	214.6902	1120.503	1120.503	1069.054	1064.054	23.9729	23.9729	0
2	27	458.0237	1656.647	7480.52	1106.194	-6.079994	214.6902	1120.186	1120.186	1073.787	1068.787	22.68418	22.68418	0
2	28	407.3689	1371.602	7480.52	1105.433	-6.079994	214.6902	1120.053	1120.053	1075.548	1070.548	20.6398	20.6398	0
2	29	334.2415	1122.398	7480.52	1104.704	-11.67999	214.6902	1119.968	1119.968	1076.533	1071.533	16.9704	16.9704	0
2	30	266.5395	966.976	7480.52	1103.984	-11.67999	214.6902	1120.162	1120.162	1077.255	1072.255	14.82779	14.82779	0
2	31	232.716	897.9633	7480.52	1103.286	-11.67999	214.6902	1120.708	1120.708	1077.819	1072.819	13.36649	13.36649	0
2	32	226.0724	893.4218	7480.52	1102.683	-11.67999	214.6902	1120.744	1120.744	1078.074	1073.074	13.5528	13.5528	0
2	33	223.9014	899.777	7480.52	1102.282	-142.3998	214.6902	1120.708	1120.708	1078.215	1073.215	13.85096	13.85096	0
2	34	227.0399	922.7681	7480.52	1102.048	-142.3998	214.6902	1121.187	1121.187	1078.139	1073.139	14.1	14.1	0
2	35	234.5968	927.7954	7480.52	1102.122	-142.3998	214.6902	1122.238	1122.238	1076.919	1071.919	14.1	14.1	0
2	36	235.8693	905.3284	7480.52	1100.264	-142.3998	214.6902	1123.933	1123.933	1075.966	1070.966	14.1	14.1	0
2	37	233.0371	882.1569	7480.52	1098.823	-142.3998	214.6902	1124.466	1124.466	1075.188	1070.188	14.1	14.1	0
2	38	227.2824	859.649	7480.52	1097.599	-273.242	214.6902	1123.527	1123.527	1074.929	1069.929	14.1	14.1	0
2	39	222.9332	852.5914	7480.52	1096.646	-273.242	214.6902	1121.413	1121.413	1074.599	1069.599	14.1	14.1	0
2	40	338.3373	411.3268	11220.78	1095.698	-409.863	322.0352	1118.123	1118.123	1073.418	1068.418	14.05432	14.05432	0
2	41	417.49	363.2973	14961.04	1094.474	-546.484	429.3803	1116.045	1116.045	1073.197	1068.197	13.38555	13.38555	0
2	42	337.0775	305.3071	14961.04	1093.417	-546.484	429.3803	1111.696	1111.696	1073.766	1068.766	11.65391	11.65391	0
2	43	293.7108	262.7289	14961.04	1092.336	-475.1994	429.3803	1103.944	1103.944	1074.569	1069.569	10.34244	10.34244	0
2	44	259.9334	229.5596	14961.04	1091.169	-316.7996	429.3803	1097.582	1097.582	1076.145	1071.145	10.0693	10.0693	0

2	45	219.4662	191.1321	14961.04	1090.337	-427.1994	429.3803	1095.077	1095.077	1078.676	1073.676	10.1	10.1	0
	46	171.8948	145.2151	14961.04	1089.734	-427.1994	429.3803	1095.007	1095.007	1082.539	1077.539	10.12195	10.12195	0
	47	117.3693	93.79721	14961.04	1088.742	-427.1994	429.3803	1093.376	1093.376	1086.34	1081.34	10.10999	10.10999	0
2	48	56.6936	58.39404	29922.08	1085.792	0	429.3803	1089.717	1089.717	1088.635	1083.635	8.955186	8.955186	0
2	49	48.79401	53.93066	29922.08	1084.203	0	80000	1084.2	1083.2	1088.611	1083.611	5.98616	5.98616	14
	50	57.7528	54.19081	29922.08	1087.67	-35.03998	429.3803	1097.297	1097.297	1087.931	1082.931	2.224086	2.224086	0
	51	51.15099	52.19836	14961.04	1091.975	-52.55998	429.3803	1108.822	1108.822	1087.975	1082.975	.466761	.466761	0
2	52	53.7579	54.00673	14961.04	1096.065	-54.71994	429.3803	1118.982	1118.982	1088.917	1083.917	.522614	.522614	0
	53	56.09233	55.36649	14961.04	1099.575	-72.9599	429.3803	1124.462	1124.462	1089.413	1084.413	.495692	.495692	0
	54	58.58009	57.00342	14961.04	1103.4	-72.9599	429.3803	1125.958	1125.958	1089.939	1084.939	.479565	.479565	0
2	55	60.73994	59.72535	14961.04	1106.662	-140.1599	429.3803	1127.635	1127.635	1090.242	1085.242	.495574	.495574	0
	56	63.78864	63.91521	14961.04	1109.164	-140.1599	429.3803	1129.845	1129.845	1089.233	1084.233	.579435	.579435	0
	57	68.70616	68.17117	14961.04	1112.063	-140.1599	429.3803	1132.745	1132.745	1088.411	1083.411	.676377	.676377	0
2	58	73.98055	71.08783	14961.04	1114.711	-140.1599	429.3803	1136.004	1136.004	1088.615	1083.615	.742453	.742453	0
2	59	76.02667	72.69724	14961.04	1117.1	-140.1599	429.3803	1139.059	1139.059	1089.187	1084.187	.7611	.7611	0
	60	76.92961	74.2337	14961.04	1119.019	-140.1599	429.3803	1141.196	1141.196	1089.518	1084.518	.75697	.75697	0
	61	78.4266	76.87553	14961.04	1120.363	-140.1599	429.3803	1142.768	1142.768	1089.845	1084.845	.787906	.787906	0
2	62	80.40881	79.57379	14961.04	1121.189	-140.1599	429.3803	1143.728	1143.728	1090.597	1085.597	.875875	.875875	0
	63	81.28964	80.17467	14961.04	1121.438	-140.1599	429.3803	1143.874	1143.874	1091.192	1086.192	.939074	.939074	0
	64	79.84666	79.75067	14961.04	1120.203	-140.1599	80000	1120.2	1119.2	1091.184	1086.184	.948055	.948055	20
3	1	6642.427	6642.054	14961.04	1128.42	-46.71995	80000	1128.5	1127.5	987.8026	982.8026	45.4	45.4	19
3	2	6642.83	6667.505	14961.04	1127.278	-46.71995	429.3803	1125.385	1125.385	986.4237	981.4237	45.4	45.4	0
	3	6674.295	6721.465	14961.04	1126.271	-46.71995	429.3803	1125.15	1125.15	984.5168	979.5168	45.4	45.4	0
	4	6728.971	6778.172	14961.04	1125.37	-24.31997	429.3803	1124.843	1124.843	982.1196	977.1196	45.4	45.4	0
3	5	6758.66	6789.771	14961.04	1124.457	-24.31997	429.3803	1124.653	1124.653	980.1852	975.1852	45.40001	45.40001	0
	6	6705.983	6744.771	14961.04	1123.562	-24.31997	429.3803	1124.91	1124.91	979.7897	974.7897	45.40001	45.40001	0
	7	6623.822	6592.813	14961.04	1122.666	-24.31997	429.3803	1125.054	1125.054	979.9659	974.9659	45.27401	45.27401	0
3	8	6435.285	6280.98	14961.04	1121.735	-24.31997	429.3803	1124.63	1124.63	982.3741	977.3741	44.67828	44.67828	0
	9	6117	5671.075	14961.04	1120.739	-46.71995	429.3803	1123.898	1123.898	985.3492	980.3492	43.18118	43.18118	0
	10	5340.708	4886.046	14961.04	1119.724	-24.31997	429.3803	1124.829	1124.829	989.8207	984.8207	38.75702	38.75702	0
	11	4567.797	4409.311	14961.04	1118.581	-24.31997	429.3803	1126.648	1126.648	994.4611	989.4611	34.77562	34.77562	0
	12	4262.394	21431.64	14961.04	1117.048	-24.31997	429.3803	1129.273	1129.273	998.9051	993.9051	34.7	34.7	0
	13	21275.16	21218.67	14961.04	1116.535	-24.31997	429.3803	1131.206	1131.206	1005.231	.031	34.7	34.7	0
	14	3817.225	3767.233	14961.04	1116.027	-24.31997	429.3803	1132.777	1132.777	1010.228	1005.228	34.7	34.7	0
3	15	3599.287	3500.943	14961.04	1114.333	-18.23998	429.3803	1134.32	1134.32	1014.786	1009.786	34.7	34.7	0
	16	3294.967	3022.979	14961.04	1112.917	-9.119992	429.3803	1133.139	1133.139	1022.224	1017.224	34.58603	34.58603	0
	17	2681.677	2571.976	14961.04	1111.602	-6.079994	429.3803	1131.301	1131.301	1029.673	1024.673	30.7	30.7	0
3	18	1805.434	4721.828	11220.78	1110.372	-6.079994	322.0352	1131.651	1131.651	1033.264	1028.264	29.29461	29.29461	0
	19	1118.205	4413.182	7480.52	1109.78	-6.079994	214.6902	1131.942	1131.942	1037.204	1032.204	28.93953	28.93953	0
	20	1046.322	4151.22	7480.52	1109.185	-6.079994	214.6902	1132.876	1132.876	1040.82	1035.82	28.55683	28.55683	0
	21	994.3716	3880.483	7480.52	1108.589	-6.079994	214.6902	1133.74	1133.74	1043.741	1038.741	28.37112	28.37112	0
3	22	913.885	3489.678	7480.52	1107.996	-6.079994	214.6902	1132.2	1132.2	1047.062	1042.062	27.64919	27.64919	0
	23	798.7291	3087.283	7480.52	1107.397	-6.079994	214.6902	1129.27	1129.27	1050.873	1045.873	25.83333	25.83333	0
	24	714.7568	2745.741	7480.52	1106.787	-6.079994	214.6902	1125.255	1125.255	1054.628	1049.628	24.82614	24.82614	0
3	25	633.829	2343.505	7480.52	1106.181	-6.079994	214.6902	1121.794	1121.794	1060.48	1055.48	24.57166	24.57166	0
	26	518.9997	1996.337	7480.52	1105.573	-6.079994	214.6902	1120.231	1120.231	1068.62	1063.62	24.16681	24.16681	0
	27	462.4265	1804.924	7480.52	1104.955	-6.079994	214.6902	1119.762	1119.762	1072.544	1067.544	23.95288	23.95288	0
3	28	430.9376	1594.84	7480.52	1104.375	-6.079994	214.6902	1119.625	1119.625	1074.111	1069.111	23.29006	23.29006	0
	29	370.5062	1280.726	7480.52	1103.845	-11.67999	214.6902	1119.671	1119.671	1075.683	1070.683	20.66667	20.66667	0
	30	274.7139	1030.046	7480.52	1103.337	-11.67999	214.6902	1120.152	1120.152	1076.589	1071.589	15.95867	15.95867	0
	31	233.8759	937.1903	7480.52	1102.834	-11.67999	214.6902	1120.955	1120.955	1077.027	1072.027	14.10042	14.10042	0
3	32	223.6348	906.4733	7480.52	1102.392	-11.67999	214.6902	1121.471	1121.471	1077.177	1072.177	13.69123	13.69123	0
	33	221.9385	903.9882	7480.52	1102.034	-11.67999	214.6902	1122.251	1122.251	1077.352	1072.352	13.59765	13.59765	0
	34	225.7019	923.7787	7480.52	1101.74	-11.67999	214.6902	1123.718	1123.718	1077.244	1072.244	13.93965	13.93965	0
3	35	234.2289	954.0688	7480.52	1101.461	-142.3998	214.6902	1124.625	1124.625	1076.302	1071.302	14.04566	14.04566	0
	36	245.3456	970.2971	7480.52	1100.923	-142.3998	214.6902	1125.14	1125.14	1074.517	1069.517	14.07468	14.07468	0
	37	246.1395	959.1212	7480.52	1100.35	-213.5998	214.6902	1124.103	1124.103	1074.124	1069.124	14.1	14.1	0
3	38	241.2082	941.2132	7480.52	1099.765	-273.242	214.6902	1121.528	1121.528	1074.204	1069.204	14.1	14.1	0
3	39	238.5789	941.3741	7480.52	1099.172	-273.242	214.6902	1119.352	1119.352	1074.227	1069.227	14.1046	14.1046	0
	40	363.2513	457.2796	11220.78	1098.594	-409.863	322.0352	1115.475	1115.475	1073.037	1068.037	14.11503	14.11503	0

3	41	443.1579	391.2702	14961.04	1097.581	-546.484	429.3803	1114	1114	1073.065	1068.065	13.40914	13.40914	0
:	42	345.8457	325.4813	14961.04	1096.57	-546.484	429.3803	1109.178	1109.178	1073.719	1068.719	10.7417	10.7417	0
:	43	314.6591	290.9153	14961.04	1095.311	-475.1994	429.3803	1102.07	1102.07	1074.231	1069.231	10.1222	10.1222	0
3	44	278.8851	249.84	14961.04	1093.865	-316.7996	429.3803	1097.767	1097.767	1076.138	1071.138	10.1	10.1	0
:	45	222.428	200.2289	14961.04	1092.669	-316.7996	429.3803	1094.765	1094.765	1079.78	1074.78	10.1	10.1	0
	5	164.9804	144.049	14961.04	1091.736	-427.1994	429.3803	1094.194	1094.194	1084.158	1079.158	10.22751	10.22751	0
3	47	107.2242	80.26569	14961.04	1090.003	-427.1994	429.3803	1092.659	1092.659	1088.069	1083.069	9.602548	9.602548	0
3	48	47.53585	47.09356	299.2208	1084.307	0	80000	1084.3	1083.3	1089.936	1084.936	7.776931	7.776931	14
:	49	47.87123	52.61615	299.2208	1084.203	0	80000	1084.2	1083.2	1089.642	1084.642	4.869527	4.869527	14
:	50	58.78864	54.71298	14961.04	1089.497	-35.03998	429.3803	1110.51	1110.51	1087.759	1082.759	1.687461	1.687461	0
3	51	51.35538	52.71054	14961.04	1094.654	-52.55998	429.3803	1119.774	1119.774	1087.973	1082.973	.381136	.381136	0
:	52	54.86157	55.8435	14961.04	1099.938	-105.1199	429.3803	1124.994	1124.994	1089.346	1084.346	.450984	.450984	0
:	53	58.57614	59.30593	14961.04	1104.533	-140.1599	429.3803	1126.668	1126.668	1090.242	1085.242	.530882	.530882	0
3	54	63.02445	62.31661	14961.04	1108.508	-140.1599	429.3803	1126.08	1126.08	1090.033	1085.033	.58841	.58841	0
:	55	66.57269	64.80323	14961.04	1111.914	-140.1599	429.3803	1124.808	1124.808	1088.899	1083.899	.590577	.590577	0
:	56	68.9505	68.57959	14961.04	1114.822	-140.1599	429.3803	1127.465	1127.465	1088.688	1083.688	.612461	.612461	0
3	57	73.60204	74.51553	14961.04	1117.507	-140.1599	429.3803	1131.134	1131.134	1088.604	1083.604	.712604	.712604	0
3	58	80.36337	78.91939	14961.04	1119.833	-140.1599	429.3803	1134.424	1134.424	1088.783	1083.783	.857721	.857721	0
:	59	82.11201	80.25904	14961.04	1121.749	-140.1599	429.3803	1137.595	1137.595	1090.042	1085.042	.889889	.889889	0
:	60	82.64344	81.12251	14961.04	1123.155	-140.1599	429.3803	1140.195	1140.195	1090.683	1085.683	.88602	.88602	0
3	61	83.55186	81.95988	14961.04	1123.897	-140.1599	429.3803	1141.919	1141.919	1090.75	1085.75	.897677	.897677	0
:	62	83.45863	82.12466	14961.04	1123.864	-140.1599	429.3803	1143.145	1143.145	1090.959	1085.959	.918553	.918553	0
:	63	82.50122	80.96164	14961.04	1122.88	-140.1599	429.3803	1143.899	1143.899	1091.148	1086.148	.938962	.938962	0
3	64	80.10645	79.94266	14961.04	1120.504	-140.1599	80000	1120.5	1119.5	1091.124	1086.124	.944055	.944055	20
4	1	6617.113	6643.203	14961.04	1127.637	-46.71995	80000	1127.9	1126.9	986.7679	981.7679	45.4	45.4	19
.	2	6637.948	6649.62	14961.04	1126.174	-46.71995	429.3803	1124.168	1124.168	985.5111	980.5111	45.4	45.4	0
4	3	6657.006	6681.801	14961.04	1125.011	-46.71995	429.3803	1124.096	1124.096	983.8463	978.8463	45.4	45.4	0
4	4	6680.281	6709.458	14961.04	1123.893	-24.31997	429.3803	1124.175	1124.175	981.7958	976.7958	45.40001	45.40001	0
.	5	6679.941	6674.872	14961.04	1122.763	-24.31997	429.3803	1124.196	1124.196	980.3638	975.3638	45.4	45.4	0
.	6	6557.677	6585.035	14961.04	1121.641	-24.31997	429.3803	1124.447	1124.447	981.0649	976.0649	45.4	45.4	0
.	-	6400.68	6466.294	14961.04	1120.522	-24.31997	429.3803	1124.251	1124.251	982.089	977.089	45.4	45.4	0
.	9	6252.665	6271.305	14961.04	1119.389	-24.31997	429.3803	1123.535	1123.535	984.8829	979.8829	45.66728	45.66728	0
.	9	5989.587	5786.634	14961.04	1118.242	-46.71995	429.3803	1122.896	1122.896	988.1811	983.1811	45.31764	45.31764	0
4	10	5505.287	5022.459	14961.04	1117.07	-24.31997	429.3803	1124.171	1124.171	992.2169	987.2169	41.58554	41.58554	0
4	11	4842.892	4420.88	14961.04	1115.951	-24.31997	429.3803	1125.971	1125.971	996.3467	991.3467	36.84126	36.84126	0
.	12	4094.511	4105.907	14961.04	1115.137	-24.31997	429.3803	1127.879	1127.879	1000.337	995.3367	35.01793	35.01793	0
.	13	3891.302	3873.716	14961.04	1115.369	-24.31997	429.3803	1130.081	1130.081	1006.29	1001.29	34.7	34.7	0
4	14	3672.243	3649.278	14961.04	1113.306	-18.23998	429.3803	1131.182	1131.182	1010.854	1005.854	34.7	34.7	0
.	15	3455.637	3393.311	14961.04	1111.666	-12.15999	429.3803	1132.939	1132.939	1015.579	1010.579	34.7	34.7	0
.	16	3159.303	2953.665	14961.04	1110.263	-9.119992	429.3803	1130.913	1130.913	1022.759	1017.759	34.74585	34.74585	0
4	17	2700.483	2516.947	14961.04	1108.947	-6.079994	429.3803	1129.284	1129.284	1030.388	1025.388	31.41871	31.41871	0
4	18	1798.369	4565.482	11220.78	1107.775	-6.079994	322.0352	1129.222	1129.222	1033.964	1028.964	29.67044	29.67044	0
.	19	1057.161	4244.924	7480.52	1107.246	-6.079994	214.6902	1130.08	1130.08	1037.961	1032.961	29.01414	29.01414	0
4	20	996.9445	4011.553	7480.52	1106.72	-6.079994	214.6902	1131.799	1131.799	1041.468	1036.468	28.7	28.7	0
4	21	946.3269	3752.543	7480.52	1106.211	-6.079994	214.6902	1133.01	1133.01	1044.346	1039.346	28.72346	28.72346	0
.	22	873.6384	3360.779	7480.52	1105.72	-6.079994	214.6902	1131.743	1131.743	1047.613	1042.613	27.82437	27.82437	0
.	23	743.7634	2966.66	7480.52	1105.235	-6.079994	214.6902	1128.95	1128.95	1050.857	1045.857	25.72448	25.72448	0
4	24	684.9131	2648.602	7480.52	1104.738	-6.079994	214.6902	1125.013	1125.013	1054.097	1049.097	24.45034	24.45034	0
.	25	613.1521	2267.81	7480.52	1104.254	-6.079994	214.6902	1121.377	1121.377	1059.765	1054.765	24.4	24.4	0
.	26	525.2625	1929.368	7480.52	1103.773	-6.079994	214.6902	1119.965	1119.965	1068.75	1063.75	24.4	24.4	0
4	27	448.7422	1768.533	7480.52	1103.311	-6.079994	214.6902	1119.999	1119.999	1072.805	1067.805	24.4	24.4	0
4	28	425.2892	1610.936	7480.52	1102.887	-6.079994	214.6902	1120.245	1120.245	1074.324	1069.324	24.26889	24.26889	0
.	29	385.6694	1300.154	7480.52	1102.516	-11.67999	214.6902	1120.61	1120.61	1075.361	1070.361	22.02431	22.02431	0
4	30	295.4313	1004.313	7480.52	1102.184	-11.67999	214.6902	1120.625	1120.625	1076.405	1071.405	16.35251	16.35251	0
4	31	225.1713	892.8527	7480.52	1101.89	-11.67999	214.6902	1120.986	1120.986	1076.869	1071.869	13.72527	13.72527	0
.	32	218.656	875.8201	7480.52	1101.641	-11.67999	214.6902	1121.091	1121.091	1077.04	1072.04	13.23346	13.23346	0
.	33	217.4654	886.5734	7480.52	1101.461	-11.67999	214.6902	1122.454	1122.454	1077.26	1072.26	13.52413	13.52413	0
4	34	222.6768	915.9446	7480.52	1101.344	-11.67999	214.6902	1124.067	1124.067	1077.444	1072.444	13.92304	13.92304	0
.	35	231.7708	964.229	7480.52	1101.279	-142.3998	214.6902	1124.864	1124.864	1076.194	1071.194	14.11004	14.11004	0
.	36	250.0503	995.6431	7480.52	1101.146	-213.5998	214.6902	1124.78	1124.78	1074.135	1069.135	14.1	14.1	0

4	37	249.6282	990.2697	7480.52	1100.943	-273.242	214.6902	1123.347	1123.347	1073.57	1068.57	14.1	14.1	0
	38	248.0947	977.9354	7480.52	1100.66	-273.242	214.6902	1120.136	1120.136	1074.029	1069.029	14.1	14.1	0
	39	246.24	981.6121	7480.52	1100.318	-273.242	214.6902	1116.354	1116.354	1073.823	1068.823	14.1	14.1	0
4	40	370.2722	470.2134	11220.78	1099.942	-409.863	322.0352	1111.601	1111.601	1072.81	1067.81	14.00278	14.00278	0
4	41	431.1774	397.7333	14961.04	1099.122	-546.484	429.3803	1109.927	1109.927	1072.99	1067.99	12.94731	12.94731	0
	42	352.9088	335.0236	14961.04	1098.105	-546.484	429.3803	1105.522	1105.522	1073.469	1068.469	10.28678	10.28678	0
	43	321.7148	302.629	14961.04	1096.609	-475.1994	429.3803	1099.711	1099.711	1074.14	1069.14	10.1	10.1	0
4	44	282.8468	251.4731	14961.04	1094.805	-316.7996	429.3803	1096.012	1096.012	1076.089	1071.089	10.1	10.1	0
	45	204.8435	187.1795	14961.04	1093.042	-316.7996	429.3803	1092.755	1092.755	1080.632	1075.632	9.981759	9.981759	0
	46	135.6398	128.1556	14961.04	1091.615	-427.1994	429.3803	1091.687	1091.687	1085.13	1080.13	9.495589	9.495589	0
4	47	82.96938	74.49435	14961.04	1089.333	-427.1994	429.3803	1090.28	1090.28	1087.968	1082.968	8.51438	8.51438	0
4	48	57.24742	48.31352	29922.08	1084.305	0	80000	1084.3	1083.3	1089.175	1084.175	6.869534	6.869534	14
	49	59.04697	54.04372	29922.08	1084.207	0	80000	1084.2	1084.2	1088.829	1083.829	4.385089	4.385089	14
	50	59.07039	55.43104	14961.04	1090.633	-35.03998	429.3803	1115.972	1115.972	1087.664	1082.664	1.589575	1.589575	0
4	51	52.13787	53.50641	14961.04	1096.369	-52.55998	429.3803	1123.984	1123.984	1088.359	1083.359	.348111	.348111	0
	52	56.86417	57.59422	14961.04	1102.218	-105.1199	429.3803	1125.185	1125.185	1089.752	1084.752	.479809	.479809	0
	53	60.43504	62.29466	14961.04	1107.246	-140.1599	429.3803	1125.08	1125.08	1090.811	1085.811	.568688	.568688	0
4	54	65.85782	67.28053	14961.04	1111.403	-140.1599	429.3803	1123.61	1123.61	1090.061	1085.061	.67257	.67257	0
	55	72.87965	70.71996	14961.04	1114.957	-140.1599	429.3803	1122.337	1122.337	1088.509	1083.509	.720063	.720063	0
	56	74.80299	73.97295	14961.04	1118.086	-140.1599	429.3803	1125.297	1125.297	1089.139	1084.139	.730224	.730224	0
4	57	78.15749	79.44987	14961.04	1120.833	-140.1599	429.3803	1128.991	1128.991	1089.767	1084.767	.800934	.800934	0
4	58	83.08537	83.556	14961.04	1123.077	-140.1599	429.3803	1132.292	1132.292	1089.894	1084.894	.931948	.931948	0
	59	84.77687	84.49641	14961.04	1124.816	-140.1599	429.3803	1135.701	1135.701	1090.919	1085.919	.94755	.94755	0
	60	85.5477	85.07278	14961.04	1125.945	-140.1599	429.3803	1138.594	1138.594	1091.431	1086.431	.94	.94	0
4	61	86.03601	85.05061	14961.04	1126.29	-140.1599	429.3803	1140.745	1140.745	1091.318	1086.318	.948819	.948819	0
	62	85.19781	83.83519	14961.04	1125.698	-140.1599	429.3803	1142.325	1142.325	1091.174	1086.174	.94	.94	0
	63	83.647	81.64603	14961.04	1123.953	-140.1599	429.3803	1143.47	1143.47	1091.156	1086.156	.94	.94	0
4	64	80.73887	80.27023	14961.04	1120.705	-140.1599	80000	1120.7	1119.7	1090.743	1085.743	.94	.94	20
5	1	6650.542	6611.857	14961.04	1125.131	-46.71995	80000	1124.8	1123.8	985.618	980.618	45.4	45.4	19
	2	6666.049	6645.333	14961.04	1124.891	-46.71995	429.3803	1123.424	1123.424	984.2418	979.2418	45.39999	45.39999	0
	3	6664.033	6655.486	14961.04	1123.762	-46.71995	429.3803	1123.613	1123.613	982.762	977.762	45.4	45.4	0
	4	6639.871	6650.764	14961.04	1122.416	-46.71995	429.3803	1123.698	1123.698	981.3066	976.3066	45.40001	45.40001	0
	5	6605.045	6562.746	14961.04	1121.031	-46.71995	429.3803	1123.64	1123.64	980.2271	975.2271	45.4	45.4	0
	6	6448.231	6373.322	14961.04	1119.655	-46.71995	429.3803	1124.27	1124.27	982.4287	977.4287	45.40001	45.40001	0
5	7	6275.96	6187.051	14961.04	1118.293	-46.71995	429.3803	1124.429	1124.429	985.8603	980.8603	45.40001	45.40001	0
5	8	6080.187	5970.946	14961.04	1116.95	-46.71995	429.3803	1124.065	1124.065	987.9553	982.9553	45.4	45.4	0
	9	5835.143	5708.24	14961.04	1115.614	-46.71995	429.3803	1123.469	1123.469	992.7473	987.7473	45.40519	45.40519	0
5	10	5618.165	5325.72	14961.04	1114.281	-24.31997	429.3803	1124.975	1124.975	995.27	990.27	44.80608	44.80608	0
5	11	5202.221	4516.523	14961.04	1113.047	-24.31997	429.3803	1126.45	1126.45	999.3553	994.3553	42.45781	42.45781	0
5	12	4324.031	3879.906	14961.04	1112.03	-24.31997	429.3803	1127.304	1127.304	1003.453	998.4525	34.65784	34.65784	0
5	13	3758.033	3689.829	14961.04	1111.287	-18.23998	429.3803	1130.575	1130.575	1007.804	1002.804	34.7	34.7	0
5	14	3554.602	3478.602	14961.04	1109.924	-12.15999	429.3803	1130.022	1130.022	1012.495	1007.495	34.7	34.7	0
5	15	3347.665	3221.63	14961.04	1108.531	-12.15999	429.3803	1131.88	1131.88	1017.279	1012.279	34.7	34.7	0
5	16	3071.321	2906.122	14961.04	1107.216	-17.51999	429.3803	1128.56	1128.56	1024.672	1019.672	34.7	34.7	0
5	17	2753.861	2581.362	14961.04	1105.961	-11.67999	429.3803	1124.164	1124.164	1032.32	1027.32	34.40652	34.40652	0
5	18	1865.174	4458.812	11220.78	1104.867	-6.079994	322.0352	1123.681	1123.681	1035.754	1030.754	32.19353	32.19353	0
5	19	1050.619	3971.496	7480.52	1104.39	-6.079994	214.6902	1124.596	1124.596	1040.154	1035.154	28.88972	28.88972	0
5	20	961.5931	3761.532	7480.52	1103.931	-6.079994	214.6902	1128.709	1128.709	1043.17	1038.17	28.84826	28.84826	0
5	21	907.8632	3527.318	7480.52	1103.497	-6.079994	214.6902	1128.966	1128.966	1045.888	1040.888	28.57475	28.57475	0
5	22	843.9548	3108.828	7480.52	1103.089	-6.079994	214.6902	1127.84	1127.84	1049.249	1044.249	28.2387	28.2387	0
5	23	706.2517	2748.046	7480.52	1102.696	-6.079994	214.6902	1127.625	1127.625	1053.361	1048.361	25.19536	25.19536	0
5	24	648.6072	2543.659	7480.52	1102.307	-6.079994	214.6902	1124.118	1124.118	1054.359	1049.359	24.54734	24.54734	0
5	25	580.9814	2285.848	7480.52	1101.943	-6.079994	214.6902	1122.565	1122.565	1059.408	1054.408	24.47265	24.47265	0
5	26	513.6107	1966.651	7480.52	1101.601	-6.079994	214.6902	1121.104	1121.104	1063.983	1058.983	24.4	24.4	0
5	27	430.0088	1727.593	7480.52	1101.289	-6.079994	214.6902	1120.386	1120.386	1071.801	1066.801	24.4	24.4	0
5	28	410.3274	1632.899	7480.52	1101.006	-6.079994	214.6902	1122.92	1122.92	1072.983	1067.983	24.19272	24.19272	0
	29	392.4161	1424.249	7480.52	1100.778	-6.079994	214.6902	1123.68	1123.68	1074.493	1069.493	23.85278	23.85278	0
5	30	334.4087	1078.098	7480.52	1100.612	-11.67999	214.6902	1122.843	1122.843	1075.712	1070.712	19.72211	19.72211	0
5	31	240.64	882.4567	7480.52	1100.528	-6.079994	214.6902	1121.346	1121.346	1076.034	1071.034	13.55414	13.55414	0
5	32	214.9706	868.6656	7480.52	1100.521	-6.079994	214.6902	1121.529	1121.529	1076.34	1071.34	13.49899	13.49899	0

5	33	211.716	873.9955	7480.52	1100.574	-6.079994	214.6902	1123.822	1123.822	1076.476	1071.476	13.26104	13.26104	0	
5	34	215.4422	901.8461	7480.52	1100.689	-105.5999	214.6902	1126.825	1126.825	1076.751	1071.751	13.79272	13.79272	0	
	35	227.3827	963.0554	7480.52	1100.776	-158.3998	214.6902	1124.58	1124.58	1076.401	1071.401	14.08419	14.08419	0	
	36	250.4005	1003.071	7480.52	1100.797	-211.1998	214.6902	1122.615	1122.615	1073.055	1068.055	14.08334	14.08334	0	
5	37	250.5659	1000.622	7480.52	1100.745	-211.1998	214.6902	1120.539	1120.539	1073.523	1068.523	14.1	14.1	0	
	38	248.2796	999.4033	7480.52	1100.643	-273.242	214.6902	1116.803	1116.803	1073.114	1068.114	14.1	14.1	0	
	39	246.3449	990.7404	7480.52	1100.454	-273.242	214.6902	1110.62	1110.62	1073.29	1068.29	14.08932	14.08932	0	
5	40	367.1874	454.6602	11220.78	1100.197	-409.863	322.0352	1104.333	1104.333	1072.488	1067.488	13.76145	13.76145	0	
5	41	415.9261	386.3528	14961.04	1099.482	-546.484	429.3803	1101.601	1101.601	1073.14	1068.14	11.86266	11.86266	0	
	42	350.3823	339.6001	14961.04	1098.332	-546.484	429.3803	1099.066	1099.066	1072.559	1067.559	10.18863	10.18863	0	
	43	316.0403	301.9327	14961.04	1096.542	-475.1994	429.3803	1096.417	1096.417	1074.003	1069.003	10.1	10.1	0	
5	44	272.9274	236.2172	14961.04	1094.25	-316.7996	429.3803	1093.706	1093.706	1075.73	1070.73	10.1	10.1	0	
	45	188.9654	153.3038	14961.04	1091.64	-316.7996	429.3803	1090.361	1090.361	1082.276	1077.276	10.09397	10.09397	0	
	46	110.5443	90.45355	14961.04	1088.506	0	429.3803	1087.846	1087.846	1084.985	1079.985	8.190109	8.190109	0	
5	47	69.44897	65.72245	29922.08	1084.31	0	80000	1084.3	1083.3	1086.321	1081.321	6.168996	6.168996	14	
5	48	63.03545	67.98087	29922.08	1084.302	0	80000	1084.3	1083.3	1085.969	1080.969	6.036916	6.036916	14	
	49	62.88646	64.07364	14961.04	1087.068	0	429.3803	1094.734	1094.734	1086.671	1081.671	4.239737	4.239737	0	
5	50	56.62695	55.77722	14961.04	1091.669	-18.23998	429.3803	1115.054	1115.054	1087.929	1082.929	1.361251	1.361251	0	
5	51	54.52451	55.49563	14961.04	1097.146	-27.35998	429.3803	1121.802	1121.802	1089.287	1084.287	.446483	.446483	0	
	52	59.63861	59.70499	14961.04	1102.981	-105.1199	429.3803	1120.171	1120.171	1090.497	1085.497	.617451	.617451	0	
	53	62.40491	63.99819	14961.04	1108.061	-140.1599	429.3803	1120.085	1120.085	1091.448	1086.448	.634152	.634152	0	
5	54	67.36508	71.45695	14961.04	1112.345	-140.1599	429.3803	1119.7	1119.7	1090.86	1085.86	.728926	.728926	0	
	55	75.2925	76.96269	14961.04	1116.06	-140.1599	429.3803	1120.103	1120.103	1088.686	1083.686	.902071	.902071	0	
	56	77.80511	78.98753	14961.04	1119.463	-140.1599	429.3803	1123.073	1123.073	1090.794	1085.794	.900851	.900851	0	
5	57	80.57268	81.79298	14961.04	1122.491	-140.1599	429.3803	1126.856	1126.856	1091.847	1086.847	.914302	.914302	0	
5	58	83.49255	84.30624	14961.04	1124.924	-140.1599	429.3803	1129.907	1129.907	1091.812	1086.812	.937447	.937447	0	
	59	85.74828	85.82816	14961.04	1126.723	-140.1599	429.3803	1133.272	1133.272	1091.665	1086.665	.94	.94	0	
	60	87.08399	86.51093	14961.04	1127.772	-140.1599	429.3803	1136.75	1136.75	1091.443	1086.443	.94	.94	0	
5	61	87.4127	86.18322	14961.04	1127.912	-140.1599	429.3803	1139.635	1139.635	1091.325	1086.325	.94	.94	0	
	62	86.56793	85.00963	14961.04	1126.974	-140.1599	429.3803	1141.079	1141.079	1091.313	1086.313	.94	.94	0	
	63	85.33881	82.73985	14961.04	1124.758	-140.1599	429.3803	1142.586	1142.586	1090.48	1085.48	.94	.94	0	
	4	83.07874	81.2075	14961.04	1121.005	-140.1599	80000	1121	1120	1089.846	1084.846	.94	.94	20	
	1	6737.818	6704.732	14961.04	1126.845	-46.71995	80000	1127.2	1126.2	984.493	979.493	45.4	45.4	19	
	2	6711.328	6684.748	14961.04	1124.589	-46.71995	429.3803	1123.042	1123.042	982.675	977.675	45.4	45.4	0	
6	3	6675.228	6648.419	14961.04	1122.736	-46.71995	429.3803	1123.002	1123.002	981.2496	976.2496	45.4	45.4	0	
6	4	6598.505	6594.152	14961.04	1120.961	-46.71995	429.3803	1124.166	1124.166	980.6395	975.6395	45.4	45.4	0	
	5	6525.242	6490.53	14961.04	1119.242	-46.71995	429.3803	1125.722	1125.722	980.1422	975.1422	45.39999	45.39999	0	
	6	6374.188	6350.869	14961.04	1117.574	-46.71995	429.3803	1125.156	1125.156	981.823	976.823	45.4	45.4	0	
6	7	6240.497	6169.096	14961.04	1115.952	-24.31997	429.3803	1125.781	1125.781	983.0174	978.0174	45.40001	45.40001	0	
	8	6010.407	5944.383	14961.04	1114.38	-24.31997	429.3803	1125.663	1125.663	986.6593	981.6593	45.4	45.4	0	
	9	5780.626	5745.067	14961.04	1112.844	-46.71995	429.3803	1126.333	1126.333	989.8398	984.8398	45.4	45.4	0	
6	10	5584.162	5494.666	14961.04	1111.358	-24.31997	429.3803	1126.078	1126.078	993.3924	988.3924	45.74849	45.74849	0	
	11	5328.742	5009.729	14961.04	1109.958	-24.31997	429.3803	1127.015	1127.015	996.8099	991.8099	44.93608	44.93608	0	
	12	4761.085	4202.158	14961.04	1108.685	-18.23998	429.3803	1129.294	1129.294	1000.659	995.6585	41.17717	41.17717	0	
6	13	3659.909	3622.807	14961.04	1107.628	-12.15999	429.3803	1128.612	1128.612	1006.297	1001.297	34.7215	34.7215	0	
6	14	3463.815	3423.666	14961.04	1106.375	-12.15999	429.3803	1125.874	1125.874	1010.703	1005.703	34.7	34.7	0	
	15	3273.657	3197.356	14961.04	1105.108	-12.15999	429.3803	1127.385	1127.385	1015.242	1010.242	34.7	34.7	0	
	16	3028.741	2919.059	14961.04	1103.886	-17.51999	429.3803	1125.713	1125.713	1021.322	1016.322	34.7	34.7	0	
6	17	2723.833	2659.398	14961.04	1102.729	-11.67999	429.3803	1124.662	1124.662	1028.931	1023.931	34.67559	34.67559	0	
	18	1909.63	4717.46	11220.78	1101.683	-6.079994	322.0352	1124.952	1124.952	1032.608	1027.608	33.97608	33.97608	0	
	19	1129.886	4077.351	7480.52	1101.226	-6.079994	214.6902	1124.958	1124.958	1036.666	1031.666	30.61263	30.61263	0	
6	20	939.3745	3716.293	7480.52	1100.828	-6.079994	214.6902	1125.185	1125.185	1040.669	1035.669	28.77516	28.77516	0	
	21	878.5321	3479.954	7480.52	1100.451	-6.079994	214.6902	1124.295	1124.295	1044.116	1039.116	28.80572	28.80572	0	
	22	827.0743	3091.998	7480.52	1100.105	-6.079994	214.6902	1124.409	1124.409	1047.125	1042.125	28.23851	28.23851	0	
6	23	680.8041	2671.39	7480.52	1099.792	-6.079994	214.6902	1125.616	1125.616	1050.803	1045.803	25.51271	25.51271	0	
6	24	609.0526	2374.696	7480.52	1099.504	-6.079994	214.6902	1126.687	1126.687	1054.529	1049.529	24.31435	24.31435	0	
	25	537.4673	2092.52	7480.52	1099.251	-6.079994	214.6902	1126.187	1126.187	1060.039	1055.039	24.4	24.4	0	
	26	476.4952	1807.827	7480.52	1099.039	-6.079994	214.6902	1125.275	1125.275	1065.902	1060.902	24.4	24.4	0	
6	27	397.1838	1633.752	7480.52	1098.873	-6.079994	214.6902	1123.405	1123.405	1071.427	1066.427	24.4	24.4	0	
	28	385.7162	1578.075	7480.52	1098.756	-6.079994	214.6902	1119.494	1119.494	1072.814	1067.814	24.4	24.4	0	

6	29	377.868	1483.05	7480.52	1098.708	-6.079994	214.6902	1118.971	1118.971	1073.543	1068.543	24.3843	24.3843	0
	30	347.2969	1222.097	7480.52	1098.748	-105.5999	214.6902	1119.544	1119.544	1075.136	1070.136	23.04868	23.04868	0
	31	251.6616	939.9861	7480.52	1098.876	-105.5999	214.6902	1113.321	1113.321	1075.602	1070.602	16.77024	16.77024	0
6	32	203.8534	838.0808	7480.52	1099.108	-105.5999	214.6902	1116.015	1116.015	1075.848	1070.848	13.34808	13.34808	0
6	33	203.5797	834.6371	7480.52	1099.368	-105.5999	214.6902	1118.244	1118.244	1076.179	1071.179	13.2012	13.2012	0
	34	203.1816	869.4535	7480.52	1099.629	-158.3998	214.6902	1115.612	1115.612	1076.713	1071.713	13.3824	13.3824	0
	35	218.1018	948.0772	7480.52	1099.813	-211.1998	214.6902	1115.541	1115.541	1075.734	1070.734	13.99719	13.99719	0
6	36	243.9372	1000.795	7480.52	1099.89	-211.1998	214.6902	1113.074	1113.074	1072.803	1067.803	14.11793	14.11793	0
	37	246.8426	994.7601	7480.52	1099.901	-211.1998	214.6902	1109.827	1109.827	1072.244	1067.244	14.1	14.1	0
	38	241.5682	979.0946	7480.52	1099.868	-273.242	214.6902	1107.828	1107.828	1073.174	1068.174	14.1	14.1	0
6	39	242.0421	973.8058	7480.52	1099.739	-273.242	214.6902	1104.877	1104.877	1073.207	1068.207	14.1	14.1	0
	40	353.4861	450.8492	11220.78	1099.529	-409.863	322.0352	1102.489	1102.489	1072.683	1067.683	13.87029	13.87029	0
	41	379.4584	379.9556	14961.04	1098.825	-546.484	429.3803	1100.46	1100.46	1072.753	1067.753	11.992	11.992	0
	42	331.735	326.8224	14961.04	1097.466	-546.484	429.3803	1099.247	1099.247	1072.768	1067.768	10.1	10.1	0
6	43	296.0165	287.035	14961.04	1095.405	-475.1994	429.3803	1095.118	1095.118	1074.057	1069.057	10.1	10.1	0
	44	235.8478	225.6755	14961.04	1093.095	-316.7996	429.3803	1092.893	1092.893	1076.347	1071.347	10.1	10.1	0
	45	154.7927	146.2059	14961.04	1090.628	-427.1994	429.3803	1090.576	1090.576	1081.679	1076.679	10.16663	10.16663	0
6	46	96.1412	89.53974	14961.04	1086.346	0	429.3803	1085.128	1085.128	1083.73	1078.73	7.768878	7.768878	0
	47	73.22262	66.76198	14961.04	1084.502	0	80000	1084.5	1083.5	1084.367	1079.367	5.435792	5.435792	14
	48	56.70444	57.94105	29922.08	1084.503	-18.23998	80000	1084.5	1083.5	1085.472	1080.472	3.285297	3.285297	14
6	49	53.28429	55.43977	14961.04	1088.058	-18.23998	429.3803	1095.477	1095.477	1087.025	1082.025	1.610066	1.610066	0
6	50	53.91489	55.37424	14961.04	1092.24	-18.23998	429.3803	1115.814	1115.814	1088.613	1083.613	.878885	.878885	0
	51	55.85767	58.66749	14961.04	1097.048	-27.35998	429.3803	1120.474	1120.474	1090.154	1085.154	.750377	.750377	0
	52	59.59862	62.33853	14961.04	1102.29	-105.1199	429.3803	1119.528	1119.528	1091.443	1086.443	.856603	.856603	0
6	53	62.93958	65.7718	14961.04	1107.072	-140.1599	429.3803	1118.88	1118.88	1093.719	1088.719	.845568	.845568	0
	54	67.14703	71.20064	14961.04	1111.315	-140.1599	429.3803	1117.478	1117.478	1093.666	1088.666	.881878	.881878	0
	55	72.40019	76.13492	14961.04	1115.312	-140.1599	429.3803	1115.525	1115.525	1091.694	1086.694	.936514	.936514	0
6	56	76.98247	79.39026	14961.04	1119.279	-140.1599	429.3803	1119.794	1119.794	1092.205	1087.205	.94	.94	0
	57	80.83154	82.27225	14961.04	1122.858	-140.1599	429.3803	1124.909	1124.909	1092.628	1087.628	.94	.94	0
	58	83.77072	84.93459	14961.04	1125.651	-140.1599	429.3803	1129.497	1129.497	1092.515	1087.515	.94	.94	0
	59	86.59409	87.0041	14961.04	1127.691	-140.1599	429.3803	1132.268	1132.268	1091.557	1086.557	.94	.94	0
	60	88.43571	87.98576	14961.04	1128.855	-140.1599	429.3803	1135.396	1135.396	1090.97	1085.97	.94	.94	0
	61	88.61075	87.79742	14961.04	1128.966	-140.1599	429.3803	1138.672	1138.672	1090.509	1085.509	.94	.94	0
	62	89.00335	86.89711	14961.04	1127.855	-140.1599	429.3803	1140.218	1140.218	1090.198	1085.198	.94	.94	0
6	63	87.2481	85.6777	14961.04	1125.336	-140.1599	429.3803	1142.54	1142.54	1088.302	1083.302	.94	.94	0
	64	83.01031	84.94996	14961.04	1121.206	-140.1599	80000	1121.2	1120.2	1084.978	1079.978	.94	.94	20
	1	6789.93	6744.414	14961.04	1126.563	-46.71995	80000	1126.8	1125.8	983.194	978.194	45.4	45.4	19
7	2	6724.778	6701.808	14961.04	1123.971	-46.71995	429.3803	1124.612	1124.612	981.3135	976.3135	45.4	45.4	0
7	3	6648.469	6625.314	14961.04	1121.616	-46.71995	429.3803	1124.603	1124.603	980.1107	975.1107	45.4	45.4	0
	4	6538.327	6529.595	14961.04	1119.42	-46.71995	429.3803	1124.759	1124.759	980.1273	975.1273	45.4	45.4	0
	5	6436.36	6408.899	14961.04	1117.347	-46.71995	429.3803	1122.972	1122.972	980.059	975.059	45.40001	45.40001	0
7	6	6261.516	6263.814	14961.04	1115.379	-46.71995	429.3803	1126.727	1126.727	981.4096	976.4096	45.40001	45.40001	0
	7	6098.978	6081.809	14961.04	1113.495	-24.31997	429.3803	1128.275	1128.275	982.6099	977.6099	45.40001	45.40001	0
	8	5873.185	5846.651	14961.04	1111.683	-24.31997	429.3803	1128.546	1128.546	985.7524	980.7524	45.4	45.4	0
7	9	5634.459	5619.72	14961.04	1109.935	-24.31997	429.3803	1126.98	1126.98	989.4404	984.4404	45.4	45.4	0
	10	5414.007	5418.238	14961.04	1108.262	-24.31997	429.3803	1128.722	1128.722	992.3589	987.3589	45.40001	45.40001	0
	11	5202.396	5080.098	14961.04	1106.69	-18.23998	429.3803	1127.764	1127.764	995.8845	990.8845	45.70703	45.70703	0
7	12	4855.838	4218.836	14961.04	1105.237	-12.15999	429.3803	1124.87	1124.87	1000.393	995.3933	43.79934	43.79934	0
7	13	3831.284	3500.917	14961.04	1103.896	-23.35998	429.3803	1124.818	1124.818	1005.974	1000.974	34.67201	34.67201	0
	14	3334.145	3313.806	14961.04	1102.67	-23.35998	429.3803	1123.572	1123.572	1010.462	1005.462	34.7	34.7	0
	15	3155.771	3105.041	14961.04	1101.471	-12.15999	429.3803	1122.001	1122.001	1014.468	1009.468	34.7	34.7	0
7	16	2918.799	2833.515	14961.04	1100.328	-9.119992	429.3803	1124.584	1124.584	1020.211	1015.211	34.7	34.7	0
	17	2635.92	2610.609	14961.04	1099.239	-11.67999	429.3803	1124.222	1124.222	1027.967	1022.967	34.7	34.7	0
	18	1861.333	4894.429	11220.78	1098.243	-6.079994	322.0352	1121.407	1121.407	1031.039	1026.039	34.7	34.7	0
7	19	1155.919	4199.69	7480.52	1097.804	-6.079994	214.6902	1122.665	1122.665	1035.654	1030.654	34.52286	34.52286	0
	20	927.213	3555.333	7480.52	1097.417	-6.079994	214.6902	1123.491	1123.491	1040.004	1035.004	28.98228	28.98228	0
	1	834.6807	3342.471	7480.52	1097.065	-6.079994	214.6902	1122.157	1122.157	1043.694	1038.694	28.64752	28.64752	0
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7	23	626.0414	2488.037	7480.52	1096.484	-6.079994	214.6902	1124.74	1124.74	1050.057	1045.057	24.65398	24.65398	0
	24	571.3885	2211.384	7480.52	1096.227	-6.079994	214.6902	1125.141	1125.141	1054.373	1049.373	24.36239	24.36239	0

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8	21	833.113	2993.1	7480.52	1093.18	-6.079994	214.6902	1125.036	1125.036	1043.399	1038.399	29.05262	29.05262	0
8	22	695.2147	2561.499	7480.52	1092.87	-6.079994	214.6902	1127.266	1127.266	1046.331	1041.331	25.72778	25.72778	0
8	23	627.2321	2301.683	7480.52	1092.558	-6.079994	214.6902	1122.354	1122.354	1049.94	1044.94	24.33007	24.33007	0
8	24	566.9911	2131.58	7480.52	1092.33	-6.079994	214.6902	1118.207	1118.207	1053.66	1048.66	24.3788	24.3788	0
8	25	538.431	1856.447	7480.52	1092.19	-6.079994	214.6902	1113.634	1113.634	1056.136	1051.136	24.04466	24.04466	0
	5	445.5319	1483.306	7480.52	1092.199	-6.079994	214.6902	1109.087	1109.087	1063.927	1058.927	23.66344	23.66344	0
8	27	342.6765	1325.3	7480.52	1092.365	-105.5999	214.6902	1101.662	1101.662	1071.636	1066.636	23.73713	23.73713	0
8	28	350.2131	1326.547	7480.52	1092.604	-105.5999	214.6902	1098.464	1098.464	1071.475	1066.475	24.02479	24.02479	0
8	29	333.6565	1252.646	7480.52	1092.915	-105.5999	214.6902	1105.217	1105.217	1072.235	1067.235	23.82602	23.82602	0
8	30	286.8605	1163.741	7480.52	1093.302	-105.5999	214.6902	1107.126	1107.126	1074.2	1069.2	22.95448	22.95448	0
8	31	259.8802	913.3461	7480.52	1093.726	-105.5999	214.6902	1106.208	1106.208	1074.525	1069.525	21.58749	21.58749	0
8	32	151.7108	657.5672	7480.52	1094.366	-158.3998	214.6902	1107.854	1107.854	1074.896	1069.896	12.37094	12.37094	0
8	33	133.1441	624.709	7480.52	1095.107	-211.1998	214.6902	1107.905	1107.905	1075.729	1070.729	10.92937	10.92937	0
8	34	134.763	680.0797	7480.52	1095.633	-211.1998	214.6902	1106.628	1106.628	1076.318	1071.318	11.08598	11.08598	0
8	35	149.779	775.3329	7480.52	1095.925	-211.1998	214.6902	1105.031	1105.031	1073.317	1068.317	11.67419	11.67419	0
8	36	164.5412	836.2395	7480.52	1096.033	-211.1998	214.6902	1105.164	1105.164	1072.994	1067.994	13.03501	13.03501	0
8	37	181.7568	882.0356	7480.52	1095.998	-211.1998	214.6902	1104.73	1104.73	1073.266	1068.266	13.81768	13.81768	0
8	38	198.8524	890.418	7480.52	1095.899	-273.242	214.6902	1104.201	1104.201	1071.724	1066.724	14.10618	14.10618	0
8	39	199.1056	856.7334	7480.52	1095.723	-273.242	214.6902	1102.053	1102.053	1072.593	1067.593	13.92592	13.92592	0
8	40	281.6013	367.6646	11220.78	1095.466	-409.863	322.0352	1099.11	1099.11	1072.988	1067.988	13.74233	13.74233	0
8	41	292.3854	299.8947	14961.04	1094.487	-546.484	429.3803	1094.308	1094.308	1072.33	1067.33	9.957668	9.957668	0
8	42	259.0484	259.4928	14961.04	1092.44	-546.484	429.3803	1091.827	1091.827	1073.478	1068.478	10.1	10.1	0
8	43	189.6214	195.2541	14961.04	1089.369	-546.484	429.3803	1087.117	1087.117	1075.662	1070.662	10.1	10.1	0
8	44	132.4874	128.453	14961.04	1087.293	-546.484	429.3803	1085.475	1085.475	1078.985	1073.985	8.445035	8.445035	0
8	45	79.41841	83.25525	14961.04	1084.515	-546.484	80000	1084.5	1083.5	1080.738	1075.738	6.183498	6.183498	14
8	46	64.22036	58.15779	14961.04	1084.504	-35.03998	80000	1084.5	1083.5	1083.029	1078.029	3.26632	3.26632	14
8	47	51.29226	49.36333	29922.08	1084.504	-35.03998	80000	1084.5	1084.5	1085.2	1080.2	.729525	.729525	11
8	48	48.72428	49.73064	29922.08	1085.002	-18.23998	80000	1085	1084	1087.47	1082.47	1.037073	1.037073	11
8	49	48.94793	50.45411	29922.08	1087.716	-18.23998	429.3803	1094.465	1094.465	1089.523	1084.523	.929008	.929008	0
8	50	49.80098	51.63177	29922.08	1090.53	-18.23998	429.3803	1114.254	1114.254	1092.287	1087.287	.944193	.944193	0
	1	50.49105	53.47347	29922.08	1093.255	-27.35998	429.3803	1111.656	1111.656	1093.477	1088.477	.94	.94	0
	2	51.84949	56.38162	14961.04	1096.424	-54.71994	429.3803	1105.819	1105.819	1094.813	1089.813	.94	.94	0
8	53	55.42197	59.9733	14961.04	1099.883	-72.9599	429.3803	1100.295	1100.295	1094.044	1089.044	.94	.94	0
8	54	59.06739	65.21073	14961.04	1103.042	-72.9599	429.3803	1102.194	1102.194	1093.494	1088.494	.94	.94	0
8	55	67.04787	71.76913	14961.04	1110.079	-140.1599	429.3803	1109.835	1109.835	1092.824	1087.824	.94	.94	0
8	56	74.51746	77.16771	14961.04	1116.303	-140.1599	429.3803	1116.448	1116.448	1092.602	1087.602	.94	.94	0
8	57	80.23013	81.01101	14961.04	1120.967	-140.1599	429.3803	1120.901	1120.901	1092.053	1087.053	.94	.94	0
8	58	84.30156	85.75394	14961.04	1124.055	-140.1599	429.3803	1123.483	1123.483	1092.054	1087.054	.94	.94	0
8	59	87.87492	90.39807	14961.04	1127.336	-140.1599	429.3803	1127.216	1127.216	1087.26	1082.26	.94	.94	0
8	60	90.05227	91.63873	14961.04	1129.537	-140.1599	429.3803	1132.258	1132.258	1086.39	1081.39	.94	.94	0
8	61	89.99632	90.05656	14961.04	1130.129	-140.1599	429.3803	1140.121	1140.121	1087.457	1082.457	.94	.94	0
8	62	88.21777	87.00861	14961.04	1129.088	-140.1599	429.3803	1145.539	1145.539	1090.146	1085.146	.94	.94	0
8	63	84.73225	83.24693	14961.04	1126.323	-140.1599	429.3803	1149.402	1149.402	1090.907	1085.907	.94	.94	0
8	64	81.21609	81.06257	14961.04	1121.706	-140.1599	80000	1121.7	1120.7	1090.977	1085.977	.940616	.940616	20
9	1	6836.436	6769.972	14961.04	1125.573	-46.71995	80000	1125.9	1124.9	980.283	975.283	45.4	45.4	19
9	2	6661.543	6618.77	14961.04	1122	-46.71995	429.3803	1126.911	1126.911	980.1197	975.1197	45.4	45.4	0
9	3	6502.656	6462.026	14961.04	1118.725	-46.71995	429.3803	1129.719	1129.719	980.0953	975.0953	45.4	45.4	0
9	4	6284.864	6313.209	14961.04	1115.72	-24.31997	429.3803	1130.727	1130.727	980.7479	975.7479	45.4	45.4	0
9	5	6103.842	6115.835	14961.04	1112.948	-24.31997	429.3803	1145.701	1145.701	980.8787	975.8787	45.40001	45.40001	0
9	6	5845.318	5864.14	14961.04	1110.367	-24.31997	429.3803	1137.512	1137.512	984.1057	979.1057	45.4	45.4	0
9	7	5589.427	5638.836	14961.04	1107.93	-24.31997	429.3803	1139.072	1139.072	986.9766	981.9766	45.4	45.4	0
9	8	5395.9	5424.408	14961.04	1105.602	-24.31997	429.3803	1139.59	1139.59	989.2903	984.2903	45.4	45.4	0
9	9	5191.584	5198.928	14961.04	1103.365	-18.23998	429.3803	1136.368	1136.368	991.8807	986.8807	45.4	45.4	0
9	10	4957.226	4969.894	14961.04	1101.201	-12.15999	429.3803	1134.157	1134.157	994.848	989.848	45.4	45.4	0
9	11	4722.57	4738.813	14961.04	1099.142	-12.15999	429.3803	1128.794	1128.794	997.7737	992.7737	45.4	45.4	0
	12	4501.64	4484.131	14961.04	1097.406	-23.35998	429.3803	1128.822	1128.822	1001.262	996.2623	45.4	45.4	0
	13	4235.158	3818.54	14961.04	1095.843	-12.15999	429.3803	1121.901	1121.901	1006.012	1001.012	45.53376	45.53376	0
9	14	3590.59	3115.598	14961.04	1094.425	-12.15999	429.3803	1121.477	1121.477	1010.387	1005.387	36.60093	36.60093	0
9	15	2900.191	2824.986	14961.04	1093.307	-12.15999	429.3803	1123.097	1123.097	1014.434	1009.434	34.7	34.7	0
9	16	2650.674	2596.205	14961.04	1092.278	-9.119992	429.3803	1123.705	1123.705	1020.164	1015.164	34.6965	34.6965	0

9	17	2618.521	2439.452	14961.04	1091.351	-6.079994	429.3803	1114.862	1114.862	1026.041	1021.041	34.85147	34.85147	0
9	18	2034.92	4716.677	11220.78	1090.422	-6.079994	322.0352	1121.476	1121.476	1029.627	1024.627	35.87063	35.87063	0
9	19	1429.015	4504.813	7480.52	1089.928	-6.079994	214.6902	1122.714	1122.714	1034.207	1029.207	37.65525	37.65525	0
9	20	1428.501	3886.26	7480.52	1089.395	-6.079994	214.6902	1121.749	1121.749	1039.919	1034.919	39.39491	39.39491	0
9	21	1295.213	3120.211	7480.52	1088.853	-6.079994	214.6902	1120.282	1120.282	1043.002	1038.002	32.76324	32.76324	0
	2	1048.807	2728.288	7480.52	1088.478	-6.079994	214.6902	1118.631	1118.631	1046.988	1041.988	29.65217	29.65217	0
9	23	986.6293	2475.209	7480.52	1088.189	-6.079994	214.6902	1116.882	1116.882	1050.891	1045.891	30.08325	30.08325	0
9	24	946.5801	2290.108	7480.52	1087.995	-6.079994	214.6902	1109.818	1109.818	1054.521	1049.521	29.2115	29.2115	0
9	25	942.5588	2079.405	7480.52	1087.914	-105.5999	214.6902	1103.875	1103.875	1056.154	1051.154	29.5501	29.5501	0
9	26	775.9614	1669.528	7480.52	1087.954	-105.5999	214.6902	1099.897	1099.897	1063.354	1058.354	30.78724	30.78724	0
9	27	576.4133	1446.258	7480.52	1088.152	-105.5999	214.6902	1096.865	1096.865	1072.008	1067.008	31.83189	31.83189	0
9	28	450.9043	1408.931	7480.52	1088.544	-105.5999	214.6902	1102.088	1102.088	1071.439	1066.439	31.04831	31.04831	0
9	29	346.4334	1229.422	7480.52	1088.985	-105.5999	214.6902	1105.623	1105.623	1071.663	1066.663	28.48256	28.48256	0
9	30	253.979	1023.222	7480.52	1089.476	-105.5999	214.6902	1103.736	1103.736	1073.83	1068.83	24.52284	24.52284	0
9	31	199.3483	733.0179	7480.52	1090.02	-158.3998	214.6902	1105.578	1105.578	1074.136	1069.136	20.5447	20.5447	0
9	32	121.1511	481.8522	7480.52	1090.634	-211.1998	214.6902	1105.923	1105.923	1074.804	1069.804	10.36591	10.36591	0
9	33	87.87091	446.9195	7480.52	1091.391	-211.1998	214.6902	1103.815	1103.815	1075.906	1070.906	8.666572	8.666572	0
9	34	86.97887	458.0883	7480.52	1091.921	-211.1998	214.6902	1103.39	1103.39	1074.462	1069.462	8.061791	8.061791	0
9	35	90.8797	481.9479	7480.52	1092.233	-211.1998	214.6902	1103.081	1103.081	1073.537	1068.537	7.984326	7.984326	0
9	36	97.55649	548.9525	7480.52	1092.316	-211.1998	214.6902	1102.729	1102.729	1074.273	1069.273	8.894067	8.894067	0
9	37	120.6438	640.4012	7480.52	1092.195	-211.1998	214.6902	1102.76	1102.76	1073.339	1068.339	10.74102	10.74102	0
9	38	139.6222	701.4142	7480.52	1092.034	-273.242	214.6902	1102.021	1102.021	1072.907	1067.907	12.2964	12.2964	0
9	39	150.4835	690.6258	7480.52	1091.812	-273.242	214.6902	1095.671	1095.671	1072.866	1067.866	13.2527	13.2527	0
9	40	212.1755	300.1892	11220.78	1091.555	-409.863	322.0352	1091.388	1091.388	1073.26	1068.26	12.27032	12.27032	0
9	41	218.2579	251.5391	14961.04	1090.715	-546.484	429.3803	1090.443	1090.443	1073.235	1068.235	10.1	10.1	0
9	42	179.2871	189.1769	14961.04	1088.62	-546.484	429.3803	1087.236	1087.236	1074.987	1069.987	10.1	10.1	0
9	43	96.85535	126.8547	14961.04	1084.627	-546.484	80000	1084.6	1083.6	1077.38	1072.38	8.284437	8.284437	14
9	44	80.23021	83.45281	14961.04	1084.516	-546.484	80000	1084.5	1083.5	1078.964	1073.964	5.943027	5.943027	14
9	45	60.44096	60.38353	14961.04	1084.512	-18.23998	80000	1084.5	1084.5	1081.667	1076.667	1.753949	1.753949	14
9	46	61.91209	57.35483	14961.04	1088.651	-18.23998	429.3803	1088.262	1088.262	1084.285	1079.285	1.650339	1.650339	0
9	47	56.37843	50.65321	14961.04	1089.19	-18.23998	429.3803	1089.915	1089.915	1086.657	1081.657	.883341	.883341	0
9	48	47.77326	47.94157	29922.08	1085.503	-35.03998	80000	1085.5	1084.5	1089.445	1084.445	.916719	.916719	11
9	49	47.72562	48.2948	29922.08	1086.502	-35.03998	80000	1086.5	1085.5	1091.209	1086.209	.94	.94	11
9	50	48.3668	48.66025	29922.08	1088.795	-18.23998	429.3803	1109.19	1109.19	1092.749	1087.749	.94	.94	0
9	51	48.35341	48.86707	29922.08	1089.503	-27.35998	80000	1089.5	1088.5	1094.072	1089.072	.94	.94	11
9	52	48.76298	50.88984	29922.08	1091.004	-54.71994	80000	1091	1090	1095.028	1090.028	.94	.94	11
9	53	52.04943	54.51607	29922.08	1094.006	-72.9599	80000	1094	1094	1094.328	1089.328	.94	.94	11
9	54	55.7044	60.90453	14961.04	1097.914	-72.9599	429.3803	1096.441	1096.441	1093.99	1088.99	.94	.94	0
9	55	65.34271	69.7962	14961.04	1107.367	-140.1599	429.3803	1109.325	1109.325	1094.03	1089.03	.94	.94	0
9	56	73.33499	77.57988	14961.04	1114.373	-140.1599	429.3803	1116.41	1116.41	1090.824	1085.824	.94	.94	0
9	57	79.50257	83.52068	14961.04	1119.744	-140.1599	429.3803	1120.755	1120.755	1088.643	1083.643	.94	.94	0
9	58	83.21116	86.42255	14961.04	1123.627	-140.1599	429.3803	1123.503	1123.503	1086.463	1081.463	.94	.94	0
9	59	85.94688	87.52912	14961.04	1126.738	-140.1599	429.3803	1126.173	1126.173	1089.698	1084.698	.94	.94	0
9	60	87.7348	88.40986	14961.04	1129.756	-140.1599	429.3803	1130.748	1130.748	1091.323	1086.323	.94	.94	0
9	61	89.39365	88.15754	14961.04	1130.71	-140.1599	429.3803	1137.287	1137.287	1092.4	1087.4	.94	.94	0
9	62	82.7446	85.94141	14961.04	1129.762	-140.1599	429.3803	1145.461	1145.461	1091.607	1086.607	.932981	.932981	0
9	63	77.77277	82.70142	14961.04	1126.857	-140.1599	429.3803	1149.668	1149.668	1090.97	1085.97	.89465	.89465	0
9	64	74.35966	81.36963	14961.04	1121.907	-140.1599	80000	1121.9	1120.9	1090.803	1085.803	.94037	.94037	20
10	1	10038.07	6728.007	14961.04	1124.801	-46.71995	80000	1125.3	1124.3	979.9918	974.9918	45.4	45.4	19
1	2	9748.635	6545.43	14961.04	1120.515	-46.71995	429.3803	1128.125	1128.125	980.0001	975.0001	45.40001	45.40001	0
10	3	9486.6	6325.495	14961.04	1116.775	-46.71995	429.3803	1127.573	1127.573	980.0091	975.0091	45.40001	45.40001	0
10	4	8995.732	6075.497	14961.04	1113.38	-46.71995	429.3803	1127.096	1127.096	982.5673	977.5673	45.4	45.4	0
1	5	8595.272	5833.325	14961.04	1110.254	-46.71995	429.3803	1124.867	1124.867	984.5232	979.5232	45.40001	45.40001	0
1	6	8211.918	5570.605	14961.04	1107.358	-46.71995	429.3803	1134.68	1134.68	987.2354	982.2354	45.4	45.4	0
10	7	7802.009	5346.49	14961.04	1104.649	-24.31997	429.3803	1142.307	1142.307	990.5196	985.5196	45.4	45.4	0
9	8	7535.025	5163.076	14961.04	1102.079	-18.23998	429.3803	1142.081	1142.081	991.8503	986.8503	45.40001	45.40001	0
	9	7237.792	4949.882	14961.04	1099.6	-12.15999	429.3803	1141.544	1141.544	993.5643	988.5643	45.4	45.4	0
10	10	6905.075	4709.902	14961.04	1097.113	-12.15999	429.3803	1138.469	1138.469	996.2963	991.2963	45.4	45.4	0
10	11	10858.83	4485.398	14961.04	1094.525	-12.15999	429.3803	1135.175	1135.175	999.0867	994.0867	45.4	45.4	0
	12	10364.51	4252.667	14961.04	1092.818	-12.15999	429.3803	1127.938	1127.938	1001.917	996.917	45.40001	45.40001	0

10	13	9812.135	4007.208	14961.04	1091.37	-12.15999	429.3803	1125.492	1125.492	1006.216	1001.216	45.4	45.4	0
1	14	9237.869	3375.183	14961.04	1089.962	-12.15999	429.3803	1122.021	1122.021	1010.465	1005.465	45.69628	45.69628	0
1	15	8209.331	2725.879	14961.04	1088.684	-12.15999	429.3803	1119.514	1119.514	1015.228	1010.228	36.03347	36.03347	0
10	16	6452.779	2672.99	14961.04	1087.686	-9.119992	429.3803	1113.833	1113.833	1019.39	1014.39	34.93713	34.93713	0
1	17	5086.205	2892.295	14961.04	1087.329	0	429.3803	1114.265	1114.265	1026.088	1021.088	41.04673	41.04673	0
	18	4897.296	6425.834	11220.78	1086.859	0	322.0352	1103.732	1103.732	1029.383	1024.383	47.97447	47.97447	0
	19	1678.188	6925.25	7480.52	1086.698	0	214.6902	1095.911	1095.911	1033.258	1028.258	57.47317	57.47317	0
10	20	1214.282	7008.597	7480.52	1086.244	0	214.6902	1090.924	1090.924	1039.736	1034.736	71.30446	35.65223	0
1	21	1217.853	6255.871	7480.52	1085.343	0	40000	1085.1	1084.1	1043.184	1038.184	77.02826	38.51413	15
1	22	966.8305	5413.459	7480.52	1085.198	0	40000	1085.1	1084.1	1047.476	1042.476	68.12454	34.06227	15
10	23	696.891	5257.628	7480.52	1085.094	0	40000	1085	1084	1051.101	1046.101	71.13527	35.56763	15
1	24	693.4936	5266.447	7480.52	1085.078	0	40000	1085	1084	1054.866	1049.866	78.95467	39.47734	15
1	25	697.3354	4794.676	7480.52	1085.074	0	40000	1085	1084	1057.834	1052.834	87.53462	43.76731	15
10	26	567.8301	3739.971	7480.52	1085.063	0	40000	1085	1084	1064.089	1059.089	89.84438	44.92219	15
10	27	421.2909	2663.012	7480.52	1085.051	0	40000	1085	1084	1068.566	1063.566	81.45133	40.72567	15
1	28	288.8665	1780.42	7480.52	1085.04	0	40000	1085	1084	1071.226	1066.226	63.17154	31.58577	15
10	29	194.3091	1172.228	7480.52	1084.94	0	40000	1084.9	1083.9	1072.16	1067.16	43.39059	21.6953	15
10	30	668.1967	790.0875	7480.52	1084.931	0	40000	1084.9	1084.9	1073.036	1068.036	29.31845	14.65923	15
1	31	105.3134	548.9797	7480.52	1084.925	0	40000	1084.9	1083.9	1073.864	1068.864	20.68531	10.34266	15
1	32	623.8547	354.236	7480.52	1084.918	0	40000	1084.9	1083.9	1075.23	1070.23	14.80627	7.403135	15
10	33	45.37417	252.4796	7480.52	1084.815	0	40000	1084.8	1083.8	1076.728	1071.728	8.044706	4.022353	15
1	34	43.30425	253.346	7480.52	1084.816	0	40000	1084.8	1083.8	1076.579	1071.579	7.30291	3.651455	15
1	35	45.68211	271.7968	7480.52	1084.956	0	4000	1084.8	1083.8	1075.909	1070.909	7.465687	3.732843	15
10	36	49.21495	323.8488	7480.52	1084.979	0	4000	1084.8	1083.8	1076.014	1071.014	8.458719	4.22936	15
10	37	61.42348	400.663	7480.52	1085.009	0	4000	1084.8	1083.8	1074.478	1069.478	10.63358	5.31679	15
1	38	73.31973	459.0088	7480.52	1084.954	0	4000	1084.7	1083.7	1074.204	1069.204	13.14583	6.572915	15
1	39	81.87378	477.1097	7480.52	1084.964	0	4000	1084.7	1083.7	1074.597	1069.597	15.30089	7.650445	15
10	40	122.4389	200.9694	11220.78	1085.034	0	4000	1084.7	1083.7	1073.329	1068.329	13.54859	6.774295	14
1	41	116.9835	146.006	14961.04	1084.954	0	4000	1084.6	1083.6	1075.565	1070.565	10.22036	5.11018	14
1	42	89.45389	86.96553	14961.04	1084.637	0	40000	1084.6	1083.6	1076.515	1071.515	7.707262	3.853631	14
1	43	53.32712	50.23087	14961.04	1084.623	0	40000	1084.6	1083.6	1078.068	1073.068	.251191	.251191	14
	44	60.49694	57.21836	14961.04	1089.132	-18.23998	429.3803	1087.505	1087.505	1080.183	1075.183	.546737	.546737	0
1	45	66.03444	61.96952	14961.04	1096.408	-316.7996	429.3803	1106.361	1106.361	1083.338	1078.338	.872727	.872727	0
10	46	65.96848	60.93569	14961.04	1098.892	-316.7996	429.3803	1102.863	1102.863	1086.188	1081.188	.89623	.89623	0
10	47	63.08313	53.49848	14961.04	1096.991	-316.7996	429.3803	1102.548	1102.548	1088.649	1083.649	.943356	.943356	0
1	48	53.74419	47.55731	299.2208	1085.918	-18.23998	80000	1085.9	1084.9	1091.224	1086.224	.94	.94	11
1	49	52.34718	47.79762	299.2208	1087.008	-18.23998	80000	1087	1086	1093.024	1088.024	.94	.94	11
10	50	51.20252	48.05995	299.2208	1088.207	-18.23998	80000	1088.2	1087.2	1094.818	1089.818	.94	.94	11
	51	52.05968	48.24932	299.2208	1089.507	-27.35998	80000	1089.5	1089.5	1095.973	1090.973	.94	.94	11
	52	51.98134	49.92257	299.2208	1090.01	-54.71994	80000	1090	1089	1097.164	1092.164	.94	.94	11
10	53	55.30173	53.23777	29922.08	1094.004	-72.9599	80000	1094	1093	1095.714	1090.714	.94	.94	11
10	54	55.47869	60.14258	14961.04	1096.007	-72.9599	80000	1096	1095	1093.649	1088.649	.94	.94	11
1	55	61.71203	68.88151	14961.04	1103.766	-72.9599	429.3803	1110.975	1110.975	1089.366	1084.366	.94	.94	0
10	56	68.909	75.25769	14961.04	1111.488	-140.1599	429.3803	1116.829	1116.829	1089.641	1084.641	.94	.94	0
10	57	75.34129	79.19305	14961.04	1117.911	-140.1599	429.3803	1120.437	1120.437	1090.111	1085.111	.94	.94	0
1	58	80.19261	82.7355	14961.04	1122.811	-140.1599	429.3803	1122.455	1122.455	1093.44	1088.44	.94	.94	0
1	59	83.03757	86.15257	14961.04	1127.373	-140.1599	429.3803	1130.681	1130.681	1092.589	1087.589	.94	.94	0
10	60	83.22416	88.7186	14961.04	1130.431	-140.1599	429.3803	1136.365	1136.365	1092.335	1087.335	.913667	.913667	0
	61	81.4123	83.98071	14961.04	1131.608	-140.1599	429.3803	1141.519	1141.519	1090.994	1085.994	.939699	.939699	0
	62	75.05378	74.57596	14961.04	1130.793	-140.1599	429.3803	1147.3	1147.3	1090.389	1085.389	.667533	.667533	0
10	63	71.04518	69.43102	14961.04	1127.692	-140.1599	429.3803	1151.065	1151.065	1089.701	1084.701	.565829	.565829	0
10	64	67.44904	67.34969	14961.04	1122.207	-140.1599	80000	1122.2	1121.2	1089.101	1084.101	.53243	.53243	20
	1	13200.46	13058.7	14961.04	1123.167	-46.71995	80000	1123.8	1122.8	980	975	90.8	45.4	19
11	2	12790.45	12689.81	14961.04	1119.048	-46.71995	429.3803	1128.396	1128.396	980.1105	975.1105	90.8	45.4	0
11	3	12414.32	12156.84	14961.04	1115.115	-46.71995	429.3803	1127.506	1127.506	980.0748	975.0748	90.8	45.4	0
	4	11681.96	11515.51	14961.04	1111.465	-46.71995	429.3803	1125.275	1125.275	984.2776	979.2776	90.8	45.4	0
	5	11097.46	10973.87	14961.04	1108.09	-46.71995	429.3803	1122.755	1122.755	987.1931	982.1931	90.80002	45.40001	0
11	6	10573.63	10443.32	14961.04	1104.991	-46.71995	429.3803	1133.368	1133.368	989.7471	984.7471	90.80002	45.40001	0
	7	10037.08	9990.543	14961.04	1102.122	-18.23998	429.3803	1146.594	1146.594	992.9242	987.9242	90.8	45.4	0
	8	9667.803	9609.74	14961.04	1099.428	-12.15999	429.3803	1144.66	1144.66	994.167	989.167	90.8	45.4	0

11	9	9262.875	9192.984	14961.04	1096.83	-12.15999	429.3803	1144.614	1144.614	996.0266	991.0266	90.8	45.4	0
	10	8843.899	13054	14961.04	1094.158	-12.15999	429.3803	1141.601	1141.601	998.0851	993.0851	90.8	45.4	0
	11	16907.46	16737.94	14961.04	1092.099	-12.15999	429.3803	1137.27	1137.27	1000.431	995.4308	181.6	90.80002	0
11	12	16148.93	15923.98	14961.04	1090.68	-12.15999	429.3803	1127.241	1127.241	1003.327	998.3271	181.6	90.8	0
	13	15306.55	15042.8	14961.04	1089.384	-12.15999	429.3803	1124.573	1124.573	1006.687	1001.687	181.6	90.8	0
	14	14449.53	14072.02	14961.04	1088.083	-12.15999	429.3803	1126.235	1126.235	1010.443	1005.443	181.6	90.8	0
	15	13431.25	11936.23	14961.04	1086.855	0	429.3803	1116.804	1116.804	1015.208	1010.208	182.4543	91.22716	0
11	16	10796.67	8865.994	14961.04	1085.523	0	80000	1085.2	1084.2	1020.142	1015.142	151.4379	75.71894	16
	17	8268.537	8723.639	14961.04	1085.339	0	80000	1085.2	1084.2	1026.056	1021.056	114.8949	114.8949	15
	18	8662.152	13346.38	11220.78	1085.312	0	60000	1085.2	1084.2	1029.307	1024.307	163.8102	163.8102	15
11	19	1894.919	4644.631	7480.52	1085.205	0	40000	1085.1	1084.1	1033.165	1028.165	57.56275	57.56275	15
	20	751.747	2719.943	7480.52	1085.15	0	40000	1085.1	1084.1	1039.854	1034.854	27.33117	10.24919	15
	21	781.9047	2482.862	7480.52	1085.139	0	40000	1085.1	1084.1	1043.42	1038.42	31.11743	11.66903	15
11	22	621.6237	1241.427	7480.52	1085.371	-105.5999	214.6902	1085.5	1085.5	1048.82	1043.82	27.33195	10.24948	0
11	23	84.08546	303.9104	7480.52	1085.398	-105.5999	214.6902	1085.378	1085.378	1052.508	1047.508	3.234092	1.364383	0
	24	81.82362	296.8693	7480.52	1085.5	-105.5999	214.6902	1085.5	1085.5	1056.839	1051.839	3.60923	1.522645	0
11	25	75.1147	265.9861	7480.52	1085.55	-105.5999	214.6902	1085.5	1085.5	1060.235	1055.235	3.811465	1.607962	0
11	26	60.61154	216.5132	7480.52	1085.574	-105.5999	214.6902	1085.378	1085.378	1065.434	1060.434	3.522335	1.485983	0
	27	48.72086	177.617	7480.52	1085.632	-105.5999	214.6902	1085.5	1085.5	1069.163	1064.163	2.862385	1.207569	0
	28	44.11855	152.2826	7480.52	1085.642	-105.5999	214.6902	1085.5	1085.5	1070.832	1065.832	2.266114	.9560165	0
11	29	39.38897	2277.795	7480.52	1085.163	-158.3998	214.6902	1085.378	1085.378	1070.239	1065.239	1.62139	.6840245	0
	30	1100.276	2303.953	7480.52	1085.012	0	40000	1084.9	1083.9	1071.823	1066.823	.9644115	.406861	15
	31	52.86351	2367.693	7480.52	1084.916	0	40000	1084.9	1083.9	1073.825	1068.825	4.016921	1.694638	15
11	32	1144.604	2322.68	7480.52	1084.994	0	40000	1084.9	1083.9	1077.607	1072.607	1.809494	.7633808	15
11	33	25.22534	102.2341	7480.52	1084.813	0	40000	1084.8	1083.8	1079.939	1074.939	.963039	.4062821	15
	34	24.80061	102.5995	7480.52	1084.802	0	40000	1084.8	1083.8	1079.83	1074.83	.7424846	.3132356	15
	35	25.85539	107.7914	7480.52	1084.82	0	4000	1084.8	1083.8	1079.055	1074.055	.9240338	.3898268	15
11	36	25.50566	118.705	7480.52	1084.959	0	400	1084.8	1083.8	1078.786	1073.786	1.288072	.5434054	15
	37	27.36911	138.3098	7480.52	1084.984	0	400	1084.8	1083.8	1077.435	1072.435	1.91846	.8093505	15
	38	30.37205	161.7652	7480.52	1084.938	0	400	1084.7	1083.7	1076.428	1071.428	2.89748	1.222375	15
	39	33.23204	176.8891	7480.52	1084.949	0	400	1084.7	1083.7	1076.943	1071.943	4.160858	1.755362	15
	40	51.11928	79.26591	11220.78	1085.053	0	400	1084.7	1083.7	1077.251	1072.251	4.612976	1.946099	14
	41	63.39541	60.43139	14961.04	1086.557	0	400	1084.6	1083.6	1076.837	1071.837	2.008016	.8471317	14
11	42	50.4381	55.81548	14961.04	1092.606	-36.47998	429.3803	1096.5	1096.5	1078.307	1073.307	.4771402	.2012936	0
11	43	66.02122	63.59319	14961.04	1097.525	-27.35998	429.3803	1096.638	1096.638	1080.162	1075.162	.618152	.618152	0
	44	73.02438	69.31302	14961.04	1103.363	-316.7996	429.3803	1113.643	1113.643	1081.956	1076.956	.856525	.856525	0
	45	72.86302	70.03339	14961.04	1106.472	-316.7996	429.3803	1117.927	1117.927	1085.737	1080.737	.936149	.936149	0
11	46	71.96048	68.11591	14961.04	1107.79	-316.7996	429.3803	1112.841	1112.841	1088.704	1083.704	.94	.94	0
	47	69.5444	63.32884	14961.04	1106.496	-316.7996	429.3803	1110.054	1110.054	1091.159	1086.159	.94	.94	0
	48	63.91857	58.53407	14961.04	1101.415	-18.23998	429.3803	1107.01	1107.01	1093.612	1088.612	.94	.94	0
11	49	61.18371	55.75209	14961.04	1099.561	-18.23998	429.3803	1104.028	1104.028	1095.366	1090.366	.94	.94	0
11	50	59.00278	55.20226	14961.04	1098.251	-18.23998	429.3803	1097.523	1097.523	1097.157	1092.157	.94	.94	0
	51	60.38248	55.7917	14961.04	1100.11	-27.35998	429.3803	1103.393	1103.393	1097.577	1092.577	.94	.94	0
11	52	61.25503	57.3605	14961.04	1100.955	-54.71994	429.3803	1111.085	1111.085	1099.024	1094.024	.94	.94	0
11	53	62.78788	57.54266	14961.04	1100.556	-72.9599	429.3803	1103.741	1103.741	1093.852	1088.852	.94	.94	0
	54	59.71827	57.04814	14961.04	1096.012	-72.9599	80000	1096	1095	1092.16	1087.16	.94	.94	11
	55	57.63492	61.73952	14961.04	1097.713	-72.9599	80000	1097.7	1096.7	1091.546	1086.546	.94	.94	11
11	56	61.77385	68.99261	14961.04	1107.087	-140.1599	429.3803	1116.053	1116.053	1093.568	1088.568	.94	.94	0
	57	70.08914	76.34086	14961.04	1115.38	-140.1599	429.3803	1121.918	1121.918	1093.792	1088.792	.922665	.922665	0
	58	75.87049	80.49469	14961.04	1122.258	-140.1599	429.3803	1126.52	1126.52	1093.018	1088.018	.941029	.941029	0
11	59	77.12127	80.10916	14961.04	1127.713	-140.1599	429.3803	1132.411	1132.411	1092.391	1087.391	.821731	.821731	0
11	60	76.49194	75.91786	14961.04	1131.371	-140.1599	429.3803	1137.154	1137.154	1091.786	1086.786	.711193	.711193	0
	61	73.03259	72.48537	14961.04	1132.997	-140.1599	429.3803	1141.919	1141.919	1091.099	1086.099	.533552	.533552	0
	62	72.72399	71.52299	14961.04	1132.231	-140.1599	429.3803	1147.66	1147.66	1090.156	1085.156	.535019	.535019	0
11	63	70.36914	69.0632	14961.04	1128.739	-140.1599	429.3803	1151.301	1151.301	1089.469	1084.469	.529482	.529482	0
	64	66.2702	67.54838	14961.04	1122.407	-140.1599	80000	1122.4	1121.4	1088.903	1083.903	.533157	.533157	20
	1	26243.87	9699.159	11220.78	1122.155	-46.71995	60000	1122.9	1121.9	980.0943	975.0943	90.8	45.4	19
12	2	25334.83	9386.223	11220.78	1117.625	-46.71995	322.0352	1128.494	1128.494	980.3677	975.3677	90.80002	45.40001	0
	3	24506.48	8954.576	11220.78	1113.396	-46.71995	322.0352	1127.547	1127.547	980.5274	975.5274	90.80002	45.40001	0
	4	22989.94	8447.932	11220.78	1109.516	-24.31997	322.0352	1126.999	1126.999	984.9474	979.9474	90.8	45.4	0

12	5	21793.3	8022.917	11220.78	1105.97	-24.31997	322.0352	1125.164	1125.164	987.9992	982.9992	90.80002	45.40001	0
	6	20705.53	7625.543	11220.78	1102.767	-18.23998	322.0352	1135.869	1135.869	990.694	985.694	90.8	45.4	0
	7	19635.32	7285.756	11220.78	1099.85	-12.15999	322.0352	1146.241	1146.241	993.562	988.562	90.8	45.4	0
12	8	18887.5	6990.702	11220.78	1097.16	-12.15999	322.0352	1145.718	1145.718	995.0765	990.0765	90.80002	45.40001	0
12	9	18117.53	6685.342	11220.78	1094.619	-12.15999	322.0352	1144.545	1144.545	997.0036	992.0036	90.8	45.4	0
	10	17279.14	9523.02	11220.78	1092.112	-12.15999	322.0352	1143.466	1143.466	999.0041	994.0041	90.8	45.4	0
	11	33094.94	12238.84	11220.78	1090.357	-12.15999	322.0352	1139.436	1139.436	1001.135	996.1346	181.6	90.8	0
12	12	31631.64	11648.63	11220.78	1089.112	-12.15999	322.0352	1125.104	1125.104	1003.934	998.9342	181.6	90.80002	0
	13	30109.08	11034.97	11220.78	1088.042	0	322.0352	1125.593	1125.593	1007.494	1002.494	181.6	90.8	0
	14	28435.75	10356.57	11220.78	1086.721	0	322.0352	1117.24	1117.24	1010.562	1005.562	181.6	90.8	0
12	15	26563.13	9218.762	11220.78	1085.635	0	60000	1085.3	1084.3	1015.352	1010.352	182.3342	91.16708	16
12	16	23070.84	7649.407	11220.78	1085.306	0	60000	1085.2	1084.2	1020.185	1015.185	166.3442	83.17212	16
	17	19279.2	8320.826	11220.78	1085.29	-105.5999	60000	1085.2	1084.2	1026.088	1021.088	141.4844	141.4844	15
12	18	20676.95	12999.28	8415.585	1085.348	-105.5999	45000	1085.2	1084.2	1029.383	1024.383	213.8432	213.8432	15
12	19	4454.974	4456.526	5610.39	1085.479	-105.5999	161.0176	1085.42	1085.42	1033.258	1028.258	73.84835	73.84835	0
	20	1786.666	2560.998	5610.39	1085.707	-105.5999	161.0176	1085.258	1085.258	1039.862	1034.862	34.45789	12.92171	0
	21	1841.026	2348.439	5610.39	1086.04	-105.5999	161.0176	1086.347	1086.347	1043.754	1038.754	38.40671	14.40252	0
12	22	1514.058	1186.057	5610.39	1086.343	-105.5999	161.0176	1087.833	1087.833	1048.781	1043.781	34.46179	12.92317	0
	23	195.197	269.7945	5610.39	1086.732	-105.5999	161.0176	1088.558	1088.558	1053.392	1048.392	4.068317	1.716321	0
	24	186.8797	248.163	5610.39	1087.992	-105.5999	161.0176	1088.616	1088.616	1058.603	1053.603	4.295457	1.812147	0
12	25	161.7782	207.6891	5610.39	1088.81	-105.5999	161.0176	1088.616	1088.616	1063.185	1058.185	4.08609	1.72382	0
12	26	126.9659	165.6123	5610.39	1089.211	-105.5999	161.0176	1088.664	1088.664	1067.874	1062.874	3.386018	1.428475	0
	27	104.3116	145.3055	5610.39	1089.292	-105.5999	161.0176	1088.198	1088.198	1071.725	1066.725	2.816988	1.188416	0
12	28	99.59617	136.3107	5610.39	1089.568	-158.3998	161.0176	1088.969	1088.969	1071.362	1066.362	2.53914	1.071198	0
12	29	96.70734	1710.647	5610.39	1089.15	-204.9315	161.0176	1088.594	1088.594	1069.214	1064.214	1.994393	.841385	0
	30	2191.75	1731.452	5610.39	1089.026	-204.9315	161.0176	1085.686	1085.686	1069.962	1064.962	1.012792	.4272712	0
	31	128.3127	1816.634	5610.39	1088.849	-204.9315	161.0176	1085.433	1085.433	1074.103	1069.103	4.196873	1.770556	0
12	32	2326.99	1767.479	5610.39	1088.846	-204.9315	161.0176	1085.394	1085.394	1081.611	1076.611	1.235906	.5213977	0
12	33	49.63759	73.40228	5610.39	1088.615	-204.9315	161.0176	1085.331	1085.331	1083.944	1078.944	.4531204	.1911601	0
	34	49.90219	75.01839	5610.39	1087.323	-204.9315	161.0176	1085.273	1085.273	1082.158	1077.158	.4440848	.1873481	0
12	35	52.19668	73.23956	5610.39	1087.144	-204.9315	161.0176	1085.323	1085.323	1080.854	1075.854	.6983554	.2946188	0
	36	46.51859	69.59558	5610.39	1087.894	-204.9315	30	1084.8	1083.8	1080.178	1075.178	.1	.1	15
	37	46.38795	69.49112	5610.39	1087.97	-204.9315	30	1084.8	1083.8	1078.985	1073.985	.1	.1	15
12	38	46.39043	69.48836	5610.39	1087.757	-204.9315	30	1084.7	1083.7	1079.035	1074.035	.1	.1	15
12	39	46.38318	69.26786	5610.39	1087.41	-204.9315	30	1084.7	1083.7	1079.46	1074.46	.1	.1	15
	40	69.32797	39.21641	8415.585	1085.888	-307.3973	241.5264	1081.462	1081.462	1078.062	1073.062	.1	.1	0
	41	106.2488	40.05159	11220.78	1097.978	-36.47998	322.0352	1106.5	1106.5	1077.451	1072.451	.6157091	.2597524	0
12	42	98.15719	45.48289	11220.78	1107.821	-409.863	322.0352	1108.5	1108.5	1079.876	1074.876	.1041069	4.392011E-02	0
12	43	151.3015	56.58932	11220.78	1111.833	-409.863	322.0352	1124.292	1124.292	1081.894	1076.894	.786752	.786752	0
	44	157.4852	57.43079	11220.78	1112.947	-316.7996	322.0352	1122.791	1122.791	1084.023	1079.023	.939613	.939613	0
12	45	150.4111	56.09259	11220.78	1112.936	-316.7996	322.0352	1114.943	1114.943	1087.534	1082.534	.938966	.938966	0
12	46	149.2234	55.04173	11220.78	1114.05	-316.7996	322.0352	1114.286	1114.286	1090.352	1085.352	.94	.94	0
	47	146.6092	52.60061	11220.78	1113.921	-316.7996	322.0352	1114.435	1114.435	1092.687	1087.687	.94	.94	0
	48	138.3209	49.92616	11220.78	1110.82	-18.23998	322.0352	1114.891	1114.891	1095.115	1090.115	.94	.94	0
12	49	133.9771	48.32581	11220.78	1109.423	-18.23998	322.0352	1113.201	1113.201	1096.668	1091.668	.94	.94	0
	50	131.0193	48.13726	11220.78	1108.973	-18.23998	322.0352	1110.37	1110.37	1098.581	1093.581	.94	.94	0
	51	133.6582	49.38436	11220.78	1109.718	-27.35998	322.0352	1111.232	1111.232	1097.733	1092.733	.94	.94	0
12	52	137.722	50.0118	11220.78	1110.492	-54.71994	322.0352	1116.166	1116.166	1095.978	1090.978	.94	.94	0
12	53	136.6471	48.72262	11220.78	1108.964	-54.71994	322.0352	1114.073	1114.073	1094.467	1089.467	.94	.94	0
	54	129.9368	45.22879	11220.78	1105.086	-72.9599	322.0352	1109.689	1109.689	1093.725	1088.725	.94	.94	0
12	55	115.0904	43.25194	11220.78	1099.507	-140.1599	60000	1099.5	1098.5	1095.063	1090.063	.940822	.940822	11
12	56	115.8077	47.15279	11220.78	1100.018	-140.1599	60000	1100	1099	1094.438	1089.438	.941211	.941211	11
	57	131.6297	52.21408	11220.78	1111.331	-140.1599	322.0352	1122.402	1122.402	1094.072	1089.072	.875869	.875869	0
	58	136.522	54.3728	11220.78	1120.959	-140.1599	322.0352	1130.259	1130.259	1093.155	1088.155	.723234	.723234	0
12	59	144.5692	55.12803	11220.78	1128.157	-140.1599	322.0352	1131.603	1131.603	1092.431	1087.431	.628523	.628523	0
	60	146.386	55.20499	11220.78	1132.778	-140.1599	322.0352	1135.75	1135.75	1091.779	1086.779	.565829	.565829	0
	61	147.7892	54.95341	11220.78	1135.077	-140.1599	322.0352	1141.359	1141.359	1091.099	1086.099	.53253	.53253	0
12	62	145.6609	53.6776	11220.78	1134.459	-140.1599	322.0352	1145.961	1145.961	1090.124	1085.124	.521026	.521026	0
12	63	139.5458	50.6821	11220.78	1130.469	-140.1599	322.0352	1149.774	1149.774	1089.416	1084.416	.500155	.500155	0
	64	127.6371	48.74401	11220.78	1122.609	-140.1599	60000	1122.6	1121.6	1088.851	1083.851	.463992	.463992	20

13	1	52385.34	4821.427	5610.39	1121.615	-46.71995	30000	1122.8	1121.8	980.1788	975.1788	90.8	45.4	19
13	2	50371.13	4652.134	5610.39	1116.736	-46.71995	161.0176	1128.556	1128.556	980.5091	975.5091	90.8	45.4	0
13	3	48631.84	4428.29	5610.39	1112.321	-46.71995	161.0176	1127.723	1127.723	980.8303	975.8303	90.8	45.4	0
13	4	45536.88	4172.893	5610.39	1108.316	-24.31997	161.0176	1127.682	1127.682	985.2487	980.2487	90.8	45.4	0
13	5	43077.32	3957.073	5610.39	1104.694	-18.23998	161.0176	1127.974	1127.974	988.2228	983.2228	90.80002	45.40001	0
	6	40895.03	3751.137	5610.39	1101.463	-12.15999	161.0176	1137.089	1137.089	991.0859	986.0859	90.80002	45.40001	0
1	7	38690.48	3580.151	5610.39	1098.552	-12.15999	161.0176	1143.702	1143.702	994.1909	989.1909	90.8	45.4	0
13	8	37262.3	3443.093	5610.39	1095.902	-12.15999	161.0176	1145.995	1145.995	995.5788	990.5788	90.8	45.4	0
1	9	35773.33	3294.204	5610.39	1093.432	-12.15999	161.0176	1145.044	1145.044	997.1269	992.1269	90.8	45.4	0
1	10	34077.54	4683.63	5610.39	1091.06	-12.15999	161.0176	1144.185	1144.185	999.4907	994.4907	90.8	45.4	0
13	11	65226.6	6016.813	5610.39	1089.421	-12.15999	161.0176	1143.088	1143.088	1001.719	996.7186	181.6	90.80002	0
13	12	243668.5	5752.069	5610.39	1088.224	-12.15999	161.0176	1127.787	1127.787	1004.541	999.5411	181.6	90.8	0
1	13	59847.35	5459.671	5610.39	1087.43	0	161.0176	1126.817	1126.817	1007.509	1002.509	181.6	90.8	0
1	14	56239.05	5134.003	5610.39	1085.912	0	30000	1085.3	1084.3	1010.824	1005.824	181.6	90.8	16
13	15	52929.2	4696.988	5610.39	1085.466	0	30000	1085.3	1084.3	1015.426	1010.426	182.3707	91.18534	16
1	16	48172.18	4115.928	5610.39	1085.353	-158.3998	30000	1085.2	1085.2	1020.232	1015.232	173.8705	86.93524	16
1	17	42700.36	4623.673	5610.39	1085.515	-105.5999	161.0176	1085.5	1085.5	1026.056	1021.056	157.1197	157.1197	0
13	18	45070.13	7180.063	4207.792	1085.619	-105.5999	120.7632	1085.584	1085.584	1029.307	1024.307	235.896	235.896	0
1	19	9454.682	2452.967	2805.195	1085.728	-102.4658	80.50881	1085.936	1085.936	1033.218	1028.218	80.2233	80.2233	0
1	20	3870.345	1440.27	2805.195	1086.015	-102.4658	80.50881	1086.614	1086.614	1039.384	1034.384	36.83318	27.62488	0
13	21	3898.612	1342.094	2805.195	1086.444	-102.4658	80.50881	1088.757	1088.757	1043.314	1038.314	40.76382	30.57287	0
13	22	3430.257	688.9128	2805.195	1086.838	-102.4658	80.50881	1091.003	1091.003	1048.796	1043.796	38.09212	28.56911	0
1	23	424.8434	151.6603	2805.195	1087.386	-102.4658	80.50881	1092.057	1092.057	1054.59	1049.59	4.506655	3.80249	0
1	24	399.3791	137.4119	2805.195	1089.254	-102.4658	80.50881	1091.944	1091.944	1059.532	1054.532	4.62479	3.902168	0
13	25	336.9952	112.7135	2805.195	1090.604	-102.4658	80.50881	1091.977	1091.977	1064.727	1059.727	4.209942	3.55214	0
1	26	263.1881	90.65197	2805.195	1091.363	-102.4658	80.50881	1091.639	1091.639	1069.121	1064.121	3.367245	2.84111	0
1	27	217.788	80.27808	2805.195	1091.42	-102.4658	80.50881	1090.184	1090.184	1072.002	1067.002	2.806468	2.367958	0
13	28	205.0853	79.0723	2805.195	1091.664	-102.4658	80.50881	1091.39	1091.39	1073.015	1068.015	2.650835	2.236643	0
13	29	223.9444	861.02	2805.195	1091.353	-102.4658	80.50881	1091.023	1091.023	1068.82	1063.82	2.384701	2.012093	0
1	30	4379.941	874.3213	2805.195	1091.239	-102.4658	80.50881	1086.776	1086.776	1068.282	1063.282	1.277737	1.078092	0
1	31	287.801	933.1595	2805.195	1090.994	-102.4658	80.50881	1085.673	1085.673	1074.893	1069.893	4.829201	4.074637	0
	32	4740.5	898.7305	2805.195	1091.074	-102.4658	80.50881	1085.896	1085.896	1085.409	1080.409	1.019649	.8603287	0
1	33	102.2107	37.9537	2805.195	1090.766	-102.4658	80.50881	1086.323	1086.323	1087.207	1082.207	.4624586	.3901991	0
1	34	105.5609	39.06496	2805.195	1089.454	-102.4658	80.50881	1086.773	1086.773	1083.863	1078.863	.5116422	.4316981	0
13	35	109.1295	37.41667	2805.195	1088.681	-102.4658	80.50881	1085.987	1085.987	1082.099	1077.099	.704724	.5946109	0
1	36	93.37094	34.88212	2805.195	1088.159	-102.4658	80.50881	1085.601	1085.601	1081.024	1076.024	.1	.1	0
1	37	93.07339	34.83823	2805.195	1087.796	-102.4658	80.50881	1085.5	1085.5	1080.101	1075.101	.1	.1	0
13	38	92.97334	34.83603	2805.195	1087.366	-102.4658	80.50881	1085.337	1085.337	1080.68	1075.68	.1	.1	0
13	39	93.14581	34.81744	2805.195	1088.262	-102.4658	80.50881	1085.302	1085.302	1079.624	1074.624	.1	.1	0
1	40	140.1167	17.64544	4207.792	1089.129	-36.47998	120.7632	1082.739	1082.739	1078.627	1073.627	.1	.1	0
1	41	195.4395	18.30033	5610.39	1105.202	-204.9315	161.0176	1106.5	1106.5	1078.079	1073.079	9.415334E-02	7.944188E-02	0
13	42	201.9627	24.03207	5610.39	1113.621	-204.9315	161.0176	1113.145	1113.145	1080.655	1075.655	.1241655	.1047646	0
1	43	316.9043	29.60286	5610.39	1116.157	-204.9315	161.0176	1131.665	1131.665	1082.895	1077.895	.849684	.849684	0
1	44	318.2764	29.01516	5610.39	1115.784	-204.9315	161.0176	1122.27	1122.27	1085.275	1080.275	.939434	.939434	0
13	45	298.947	28.13518	5610.39	1113.541	-204.9315	161.0176	1112.018	1112.018	1088.557	1083.557	.94	.94	0
1	46	299.1941	27.94776	5610.39	1115.412	-204.9315	161.0176	1114.64	1114.64	1091.255	1086.255	.94	.94	0
1	47	296.6918	27.12409	5610.39	1116.345	-204.9315	161.0176	1116.438	1116.438	1093.54	1088.54	.94	.94	0
13	48	283.8987	26.09278	5610.39	1114.359	-18.23998	161.0176	1117.022	1117.022	1095.922	1090.922	.94	.94	0
13	49	277.1088	25.52392	5610.39	1113.432	-18.23998	161.0176	1116.316	1116.316	1097.327	1092.327	.94	.94	0
1	50	274.155	25.55841	5610.39	1113.223	-18.23998	161.0176	1114.486	1114.486	1098.614	1093.614	.94	.94	0
1	51	278.338	26.19161	5610.39	1113.836	-27.35998	161.0176	1114.368	1114.368	1097.592	1092.592	.94	.94	0
13	52	287.8847	26.4383	5610.39	1115.169	-204.9315	161.0176	1118.506	1118.506	1096.49	1091.49	.94	.94	0
1	53	282.6588	25.62316	5610.39	1113.25	-105.1199	161.0176	1116.692	1116.692	1095.032	1090.032	.94	.94	0
1	54	268.2489	23.32819	5610.39	1109.183	-140.1599	161.0176	1111.181	1111.181	1094.736	1089.736	.94	.94	0
13	55	229.3489	21.66742	5610.39	1100.399	-140.1599	161.0176	1100.8	1100.8	1095.26	1090.26	.940688	.940688	0
1	56	229.5064	22.81811	5610.39	1100.011	-140.1599	30000	1100	1099	1094.814	1089.814	.92245	.92245	12
	57	249.5916	24.17139	5610.39	1108.343	-140.1599	161.0176	1121.505	1121.505	1094.168	1089.168	.829396	.829396	0
1	58	258.6929	25.5182	5610.39	1120.026	-140.1599	161.0176	1125.918	1125.918	1093.219	1088.219	.533195	.533195	0
13	59	282.1471	26.99009	5610.39	1128.37	-140.1599	161.0176	1130.493	1130.493	1092.456	1087.456	.573081	.573081	0
1	60	289.8507	27.55534	5610.39	1133.43	-140.1599	161.0176	1134.577	1134.577	1091.775	1086.775	.538261	.538261	0

13	61	297.3472	27.54519	5610.39	1136.245	-140.1599	161.0176	1139.495	1139.495	1091.079	1086.079	.533238	.533238	0
1	62	288.505	26.63747	5610.39	1135.847	-140.1599	161.0176	1145.139	1145.139	1090.104	1085.104	.500761	.500761	0
1	63	274.8457	24.75575	5610.39	1131.657	-140.1599	161.0176	1149.223	1149.223	1089.39	1084.39	.471038	.471038	0
13	64	250.6028	23.49191	5610.39	1122.612	-140.1599	30000	1122.6	1121.6	1088.784	1083.784	.403071	.403071	20
1	1	52276.75	3207.994	3740.26	1121.22	-24.31997	20000	1122.1	1121.1	980.1788	975.1788	91.08786	45.54393	19
	2	50139.8	3086.263	3740.26	1116.229	-24.31997	107.3451	1128.521	1128.521	980.6164	975.6164	90.8	45.4	0
14	3	48318.93	2933.352	3740.26	1111.72	-24.31997	107.3451	1127.971	1127.971	980.9517	975.9517	90.8	45.4	0
1	4	45189.33	2756.459	3740.26	1107.652	-18.23998	107.3451	1128.096	1128.096	985.524	980.524	90.8	45.4	0
1	5	42673.91	2610.224	3740.26	1103.994	-12.15999	107.3451	1132.216	1132.216	988.8294	983.8294	90.80002	45.40001	0
14	6	40491.96	2473.337	3740.26	1100.756	-12.15999	107.3451	1137.444	1137.444	991.5264	986.5264	90.8	45.4	0
14	7	38283.57	2360.282	3740.26	1097.857	-12.15999	107.3451	1145.837	1145.837	994.7664	989.7664	90.8	45.4	0
1	8	36851.95	2269.332	3740.26	1095.237	-12.15999	107.3451	1146.504	1146.504	995.9787	990.9787	90.8	45.4	0
1	9	35288.17	2169.542	3740.26	1092.811	-12.15999	107.3451	1145.833	1145.833	997.7402	992.7402	90.80002	45.40001	0
14	10	33665.2	3084.088	3740.26	1090.523	-12.15999	107.3451	1140.971	1140.971	1000.065	995.0649	90.8	45.4	0
1	11	64453.83	15294.73	3740.26	1088.939	-12.15999	107.3451	1143.888	1143.888	1002.371	997.3709	181.6	90.80002	0
1	12	243293.8	15135.03	3740.26	1088.097	-12.2	107.3451	1131.875	1131.875	1005.104	.004	181.6	90.8	0
14	13	59391.86	3615.619	3740.26	1087.184	-12.2	107.3451	1124.133	1124.133	1007.657	1002.657	181.6	90.8	0
14	14	55899.57	3400.346	3740.26	1085.723	-12.2	20000	1085.3	1084.3	1011.306	1006.306	181.6	90.8	16
1	15	52841.2	3187.511	3740.26	1085.441	-136.621	20000	1085.3	1084.3	1015.41	1010.41	181.6083	90.80414	16
1	16	52923.9	2935.582	3740.26	1085.443	-136.621	20000	1085.3	1084.3	1020.342	1015.342	181.412	90.70598	16
14	17	46282.82	3342.167	3740.26	1085.619	-105.5999	107.3451	1085.466	1085.466	1026.041	1021.041	172.7301	172.7301	0
	18	47153.99	5088.649	2805.195	1085.735	-102.4658	80.50881	1085.838	1085.838	1029.314	1024.314	252.589	252.589	0
1	19	9528.916	1695.946	1870.13	1085.843	-68.3105	53.67254	1087.552	1087.552	1033.229	1028.229	82.79955	82.79955	0
14	20	3845.253	982.0594	1870.13	1086.152	-68.3105	53.67254	1090.683	1090.683	1037.273	1032.273	36.89773	27.67329	0
1	21	3815.574	937.488	1870.13	1086.632	-68.3105	53.67254	1092.589	1092.589	1042.948	1037.948	40.32634	30.24476	0
	22	3661.419	504.4998	1870.13	1087.07	-68.3105	53.67254	1092.921	1092.921	1048.967	1043.967	42.08029	31.56022	0
14	23	442.8465	104.9488	1870.13	1087.669	-68.3105	53.67254	1093.323	1093.323	1055.481	1050.481	4.895668	4.130717	0
14	24	395.3986	92.48565	1870.13	1089.835	-68.3105	53.67254	1093.17	1093.17	1060.795	1055.795	4.82497	4.071067	0
	25	329.2587	74.90351	1870.13	1091.46	-68.3105	53.67254	1093.198	1093.198	1065.892	1060.892	4.237257	3.575187	0
	26	258.0221	59.80939	1870.13	1092.319	-68.3105	53.67254	1091.515	1091.515	1070.352	1065.352	3.366005	2.840067	0
	27	210.5432	52.19962	1870.13	1092.361	-68.3105	53.67254	1089.695	1089.695	1073.561	1068.561	2.78967	2.353784	0
	28	191.964	54.54257	1870.13	1092.506	-68.3105	53.67254	1089.967	1089.967	1075.422	1070.422	2.65873	2.243304	0
	29	215.8438	576.9582	1870.13	1092.372	-68.3105	53.67254	1089.605	1089.605	1069.847	1064.847	2.781085	2.346543	0
14	30	4412.62	584.0548	1870.13	1092.435	-68.3105	53.67254	1088.672	1088.672	1066.408	1061.408	1.838395	1.551145	0
14	31	273.1856	634.9688	1870.13	1092.163	-68.3105	53.67254	1086.236	1086.236	1077.369	1072.369	5.331296	4.498282	0
	32	4816.164	611.5239	1870.13	1092.312	-68.3105	53.67254	1087.898	1087.898	1090.266	1085.266	1.012408	.85422	0
14	33	104.0632	26.64042	1870.13	1092.096	-68.3105	53.67254	1088.53	1088.53	1090.764	1085.764	.8319135	.7019268	0
14	34	109.6426	27.62929	1870.13	1091.353	-68.3105	53.67254	1090.356	1090.356	1085.818	1080.818	.8437283	.7118951	0
	35	113.3307	25.68066	1870.13	1090.368	-68.3105	53.67254	1088.033	1088.033	1083.42	1078.42	.9015578	.7606897	0
	36	93.8651	23.35634	1870.13	1089.325	-68.3105	53.67254	1086.163	1086.163	1081.912	1076.912	.1	.1	0
14	37	93.60019	23.2862	1870.13	1088.62	-12.15999	53.67254	1085.57	1085.57	1081.099	1076.099	.1	.1	0
	38	93.50803	23.30577	1870.13	1087.328	-36.47998	212	1084.8	1083.8	1081.176	1076.176	.1	.1	0
	39	93.9243	23.42761	1870.13	1090.156	-36.47998	53.67254	1085.569	1085.569	1080.414	1075.414	.1	.1	0
14	40	141.964	12.12773	2805.195	1094.171	-36.47998	80.50881	1092.124	1092.124	1079.387	1074.387	.1	.1	0
14	41	203.9593	12.63741	3740.26	1108.744	-136.621	107.3451	1114.787	1114.787	1078.855	1073.855	.1499188	.1264939	0
	42	206.8792	16.40781	3740.26	1116.267	-136.621	107.3451	1123.183	1123.183	1081.673	1076.673	.1436633	.1212159	0
14	43	321.8356	19.96355	3740.26	1117.802	-136.621	107.3451	1133.552	1133.552	1084.22	1079.22	.885181	.885181	0
14	44	317.316	19.23302	3740.26	1116.714	-136.621	107.3451	1120.895	1120.895	1086.617	1081.617	.939803	.939803	0
	45	296.3524	18.62703	3740.26	1113.587	-136.621	107.3451	1110.49	1110.49	1089.699	1084.699	.94	.94	0
	46	298.6482	18.61103	3740.26	1115.911	-18.23998	107.3451	1115.249	1115.249	1092.236	1087.236	.94	.94	0
14	47	297.1703	18.20418	3740.26	1117.121	-18.23998	107.3451	1118.41	1118.41	1094.429	1089.429	.94	.94	0
	48	287.3774	17.66778	3740.26	1115.913	-18.23998	107.3451	1118.302	1118.302	1096.704	1091.704	.94	.94	0
	49	282.0534	17.43803	3740.26	1115.235	-18.23998	107.3451	1117.764	1117.764	1097.883	1092.883	.94	.94	0
14	50	280.1948	17.49186	3740.26	1115.11	-18.23998	107.3451	1117.459	1117.459	1098.186	1093.186	.94	.94	0
14	51	284.0205	17.92784	3740.26	1115.645	-18.23998	107.3451	1116.928	1116.928	1097.818	1092.818	.94	.94	0
	52	293.3873	18.03343	3740.26	1116.992	-136.621	107.3451	1118.504	1118.504	1095.827	1090.827	.94	.94	0
	53	286.7253	17.34962	3740.26	1115.139	-105.1199	107.3451	1118.177	1118.177	1096.005	1091.005	.94	.94	0
14	54	271.8932	15.54774	3740.26	1111.02	-136.621	107.3451	1112.237	1112.237	1095.63	1090.63	.94	.94	0
	55	232.0826	14.23351	3740.26	1099.378	-136.621	107.3451	1088.094	1088.094	1095.465	1090.465	.940686	.940686	0
	56	226.2626	14.73155	3740.26	1100.011	-136.621	20000	1100	1099	1094.938	1089.938	.873516	.873516	12

14	57	234.8499	15.65352	3740.26	1105.837	-136.621	107.3451	1119.479	1119.479	1094.261	1089.261	.761484	.761484	0
	58	256.5631	16.79036	3740.26	1119.26	-136.621	107.3451	1123.905	1123.905	1093.286	1088.286	.533399	.533399	0
	59	278.2992	17.75647	3740.26	1128.252	-136.621	107.3451	1129.156	1129.156	1092.468	1087.468	.541718	.541718	0
14	60	288.3298	18.32964	3740.26	1133.48	-136.621	107.3451	1133.568	1133.568	1091.765	1086.765	.525957	.525957	0
	61	297.9676	18.2523	3740.26	1136.652	-136.621	107.3451	1139.5	1139.5	1091.013	1086.013	.532872	.532872	0
	62	283.7791	17.4511	3740.26	1136.41	-136.621	107.3451	1144.395	1144.395	1090.073	1085.073	.473476	.473476	0
	63	270.1041	16.3367	3740.26	1132.159	-136.621	107.3451	1148.827	1148.827	1089.354	1084.354	.437692	.437692	0
14	64	250.691	15.66408	3740.26	1122.613	-72.9599	20000	1122.6	1121.6	1088.716	1083.716	.403015	.403015	20
	1	51938.02	3193.041	3740.26	1120.794	-24.31997	20000	1121.7	1120.7	980.1863	975.1863	90.94664	45.47332	19
	2	49894.55	3067.409	3740.26	1115.677	-24.31997	107.3451	1128.222	1128.222	980.7243	975.7243	90.80002	45.40001	0
15	3	47977.51	2910.914	3740.26	1111.075	-18.23998	107.3451	1127.876	1127.876	981.0112	976.0112	90.597	45.2985	0
	4	44829.05	2734.993	3740.26	1106.942	-12.15999	107.3451	1128.307	1128.307	985.7892	980.7892	90.8	45.4	0
	5	42320.9	2587.644	3740.26	1103.249	-12.15999	107.3451	1132.769	1132.769	989.0004	984.0004	90.80002	45.40001	0
15	6	40077.61	2450.134	3740.26	1100.01	-12.15999	107.3451	1137.643	1137.643	991.8549	986.8549	90.8	45.4	0
	7	37917.94	2335.688	3740.26	1097.127	-12.15999	107.3451	1148.005	1148.005	995.0085	990.0085	90.8	45.4	0
	8	36411.6	2239.426	3740.26	1094.546	-12.15999	107.3451	1147.228	1147.228	996.485	991.485	90.80002	45.40001	0
	9	34812.27	2140.043	3740.26	1092.166	-12.15999	107.3451	1146.327	1146.327	998.5358	993.5358	90.8	45.4	0
15	10	33245.26	3048.351	3740.26	1089.976	-12.15999	107.3451	1135.142	1135.142	1000.68	995.6796	90.8	45.4	0
	11	63728.76	3939.491	3740.26	1088.575	-12.15999	107.3451	1137.022	1137.022	1003.002	998.0015	181.6	90.8	0
	12	61725.06	3782.824	3740.26	1087.975	0	107.3451	1128.404	1128.404	1005.325	1000.325	181.6	90.80002	0
15	13	58798.95	3590.095	3740.26	1086.792	0	107.3451	1112.088	1112.088	1008.126	1003.126	181.6	90.8	0
	14	55692.32	3395.952	3740.26	1085.606	0	20000	1085.3	1084.3	1011.454	1006.454	181.6	90.8	16
	15	52804.96	3422.808	3740.26	1085.449	-136.621	20000	1085.3	1084.3	1015.423	1010.423	181.7969	90.89844	16
15	16	60095.59	3264.838	3740.26	1085.566	-136.621	107.3451	1085.444	1085.444	1020.437	1015.437	208.9812	104.4906	0
15	17	48475.16	3480.008	3740.26	1085.715	-105.5999	107.3451	1085.328	1085.328	1026.107	1021.107	184.4808	184.4808	0
	18	46686.38	5152.578	2805.195	1085.84	-102.4658	80.50881	1087.839	1087.839	1029.409	1024.409	258.0536	258.0536	0
	19	9053.618	1647.597	1870.13	1085.952	-68.3105	53.67254	1090.277	1090.277	1032.343	1027.343	79.98825	79.98825	0
15	20	3503.328	933.1474	1870.13	1086.287	-68.3105	53.67254	1092.694	1092.694	1036.139	1031.139	33.97663	25.48247	0
	21	3503.92	931.7603	1870.13	1086.822	-68.3105	53.67254	1093.705	1093.705	1042.499	1037.499	38.0289	28.52168	0
	22	3615.195	521.5667	1870.13	1087.3	-68.3105	53.67254	1093.611	1093.611	1049.268	1044.268	43.63155	32.72366	0
	23	437.6802	104.6125	1870.13	1087.956	-68.3105	53.67254	1093.537	1093.537	1056.35	1051.35	5.14877	4.344273	0
	24	368.1089	88.67868	1870.13	1090.443	-68.3105	53.67254	1093.474	1093.474	1062.514	1057.514	4.7396	3.999043	0
	25	306.5084	71.91669	1870.13	1092.39	-68.3105	53.67254	1093.394	1093.394	1067.678	1062.678	4.091	3.451782	0
15	26	246.1405	57.33192	1870.13	1093.436	-68.3105	53.67254	1092.345	1092.345	1072.159	1067.159	3.267318	2.756798	0
15	27	199.272	48.42717	1870.13	1093.668	-68.3105	53.67254	1091.366	1091.366	1076.187	1071.187	2.682858	2.263661	0
	28	172.7105	47.40938	1870.13	1093.838	-68.3105	53.67254	1092.472	1092.472	1079.435	1074.435	2.478785	2.091474	0
	29	176.9216	580.1577	1870.13	1093.669	-68.3105	53.67254	1092.958	1092.958	1076.032	1071.032	2.47916	2.091791	0
15	30	4480.763	587.3965	1870.13	1093.698	-68.3105	53.67254	1090.724	1090.724	1070.16	1065.16	1.71218	1.444653	0
	31	221.6188	637.3687	1870.13	1093.46	-68.3105	53.67254	1089.057	1089.057	1080.846	1075.846	4.890068	4.125994	0
	32	4868.379	618.533	1870.13	1093.617	-68.3105	53.67254	1091.026	1091.026	1092.992	1087.992	1.090498	.9392003	0
15	33	103.3003	26.78602	3740.26	1093.508	-68.3105	53.67254	1091.15	1091.15	1093.447	1088.447	.96291	.8246745	0
	34	109.6165	28.11402	1870.13	1093.114	-68.3105	53.67254	1091.762	1091.762	1088.972	1083.972	.961656	.8113965	0
	35	115.9583	26.11828	1870.13	1092.491	-68.3105	53.67254	1091.195	1091.195	1084.868	1079.868	.9488198	.8005666	0
	36	94.4594	23.50998	1870.13	1091.457	-12.15999	53.67254	1089.508	1089.508	1082.52	1077.52	.1	.1	0
15	37	94.33365	23.49085	1870.13	1091.205	-12.15999	53.67254	1088.654	1088.654	1081.793	1076.793	.1	.1	0
	38	94.537	23.55231	1870.13	1091.604	-36.47998	53.67254	1089.227	1089.227	1081.69	1076.69	.1	.1	0
	39	95.06944	23.71413	1870.13	1093.969	-36.47998	53.67254	1089.858	1089.858	1081.515	1076.515	.1	.1	0
15	40	143.8914	12.45006	2805.195	1099.468	-36.47998	80.50881	1099.404	1099.404	1080.426	1075.426	.1	.1	0
	41	211.6527	13.04	3740.26	1111.868	-136.621	107.3451	1110.931	1110.931	1079.644	1074.644	.1888658	.1593554	0
	42	211.3436	16.63687	3740.26	1118.527	-136.621	107.3451	1126.706	1126.706	1082.87	1077.87	.1657819	.1398785	0
15	43	323.9066	19.98343	3740.26	1119.142	-136.621	107.3451	1133.016	1133.016	1085.549	1080.549	.891854	.891854	0
	44	314.9466	19.12125	3740.26	1117.337	-136.621	107.3451	1120.18	1120.18	1087.99	1082.99	.940647	.940647	0
	45	295.313	18.5605	3740.26	1113.944	-136.621	107.3451	1110.094	1110.094	1090.853	1085.853	.94	.94	0
	46	298.9433	18.62763	3740.26	1116.657	-18.23998	107.3451	1116.114	1116.114	1093.232	1088.232	.94	.94	0
15	47	297.9851	18.33005	3740.26	1117.983	-18.23998	107.3451	1120.376	1120.376	1095.323	1090.323	.94	.94	0
	48	290.6693	17.92164	3740.26	1117.35	-18.23998	107.3451	1119.202	1119.202	1097.393	1092.393	.94	.94	0
	49	286.7556	17.70248	3740.26	1116.907	-18.23998	107.3451	1118.806	1118.806	1098.417	1093.417	.94	.94	0
15	50	284.3227	17.7716	3740.26	1116.85	-18.23998	107.3451	1118.875	1118.875	1098.328	1093.328	.94	.820157	0
	51	288.9393	18.16015	3740.26	1117.302	-18.23998	107.3451	1118.623	1118.623	1098.165	1093.165	.94	.94	0
	52	294.9402	18.2236	3740.26	1118.512	-136.621	107.3451	1118.499	1118.499	1097.025	1092.025	.94	.94	0

15	53	289.6837	17.56403	3740.26	1116.768	-105.1199	107.3451	1118.579	1118.579	1096.806	1091.806	.940863	.940863	0
7	54	273.8659	15.95076	3740.26	1112.734	-136.621	107.3451	1112.902	1112.902	1096.286	1091.286	.9221	.9221	0
1	55	242.4477	14.41306	3740.26	1102.182	-136.621	107.3451	1096.757	1096.757	1095.667	1090.667	.939541	.939541	0
15	56	222.0372	14.08798	3740.26	1100.011	-136.621	20000	1100	1099	1095.064	1090.064	.777374	.777374	12
15	57	224.5084	15.05979	3740.26	1102.061	-136.621	20000	1102	1101	1094.345	1089.345	.6681	.6681	12
	58	253.8748	16.63853	3740.26	1118.186	-136.621	107.3451	1122.412	1122.412	1093.355	1088.355	.531847	.531847	0
15	59	276.3095	17.65785	3740.26	1127.851	-136.621	107.3451	1127.864	1127.864	1092.481	1087.481	.533	.533	0
15	60	286.5471	18.31395	3740.26	1133.176	-136.621	107.3451	1132.622	1132.622	1091.741	1086.741	.524589	.524589	0
1	61	295.445	18.10687	3740.26	1136.811	-136.621	107.3451	1137.901	1137.901	1091	1086	.532904	.532904	0
1	62	279.6184	17.1666	3740.26	1136.748	-136.621	107.3451	1143.897	1143.897	1090.04	1085.04	.445971	.445971	0
15	63	267.3509	16.213	3740.26	1132.466	-136.621	107.3451	1148.723	1148.723	1089.317	1084.317	.413486	.413486	0
1	64	250.6962	15.6723	3740.26	1122.709	-72.9599	20000	1122.7	1121.7	1088.707	1083.707	.402818	.402818	20
1	1	51402.12	3171.495	3740.26	1120.329	-24.31997	20000	1121.3	1120.3	980.1788	975.1788	90.46936	45.23468	19
16	2	49582.27	3049.595	3740.26	1115.077	-18.23998	107.3451	1127.749	1127.749	980.8159	975.8159	90.8	45.4	0
16	3	47614.84	2889.496	3740.26	1110.38	-12.15999	107.3451	1127.06	1127.06	981.0685	976.0685	90.50834	45.25417	0
1	4	44458	2711.878	3740.26	1106.182	-12.15999	107.3451	1128.192	1128.192	986.0385	981.0385	90.8	45.4	0
1	5	41870.41	2562.263	3740.26	1102.457	-12.15999	107.3451	1129.653	1129.653	989.2228	984.2228	90.78924	45.39462	0
16	6	39628.68	2424.588	3740.26	1099.224	-12.15999	107.3451	1138.87	1138.87	992.2775	987.2775	90.80002	45.40001	0
1	7	37475	2309.908	3740.26	1096.363	-12.15999	107.3451	1149.689	1149.689	995.2876	990.2876	90.8	45.4	0
1	8	35971.41	2212.066	3740.26	1093.828	-12.15999	107.3451	1147.352	1147.352	996.9962	991.9962	90.8	45.4	0
16	9	34363.2	2113.553	3740.26	1091.493	-12.15999	107.3451	1146.091	1146.091	999.0459	994.0459	90.8	45.4	0
16	10	32812.41	3012.525	3740.26	1089.41	-12.15999	107.3451	1128.282	1128.282	1001.267	996.2665	90.8	45.4	0
1	11	62972.6	3901.373	3740.26	1088.176	-12.15999	107.3451	1115.046	1115.046	1003.606	998.606	181.6	90.80002	0
15	12	61108.96	3749.926	3740.26	1087.527	0	107.3451	1121.804	1121.804	1005.554	1000.554	181.6	90.8	0
16	13	58292.21	3565.61	3740.26	1086.393	0	107.3451	1097.969	1097.969	1008.499	1003.499	181.6	90.8	0
1	14	55350.99	3385.128	3740.26	1085.533	0	20000	1085.3	1084.3	1011.687	1006.687	181.6	90.8	16
1	15	52592.73	3633.477	3740.26	1085.494	-136.621	20000	1085.3	1084.3	1015.576	1010.576	181.6417	90.82084	16
16	16	64536.54	3520.834	3740.26	1085.671	-136.621	107.3451	1086.3	1086.3	1020.576	1015.576	234.477	117.2385	0
1	17	48631.86	3440.222	3740.26	1085.807	-105.5999	107.3451	1087.31	1087.31	1026.035	1021.035	189.135	189.135	0
1	18	44025.91	4891.89	2805.195	1085.941	-102.4658	80.50881	1090.793	1090.793	1029.208	1024.208	246.263	246.263	0
	19	8024.705	1491.64	1870.13	1086.063	-68.3105	53.67254	1092.979	1092.979	1031.414	1026.414	72.01295	72.01295	0
	20	2972.885	818.6644	1870.13	1086.43	-68.3105	53.67254	1093.673	1093.673	1035.346	1030.346	29.18584	21.88939	0
1	21	2979.874	848.0182	1870.13	1087.025	-68.3105	53.67254	1093.75	1093.75	1042.158	1037.158	32.93824	24.70367	0
1	22	3228.736	491.652	1870.13	1087.543	-68.3105	53.67254	1093.718	1093.718	1049.76	1044.76	41.28855	30.96639	0
16	23	393.8727	96.83478	1870.13	1088.278	-68.3105	53.67254	1093.625	1093.625	1057.399	1052.399	4.919715	4.151012	0
	24	322.5443	79.97565	1870.13	1091.151	-68.3105	53.67254	1093.906	1093.906	1064.394	1059.394	4.275157	3.60716	0
1	25	275.455	66.24552	1870.13	1093.486	-68.3105	53.67254	1094.655	1094.655	1069.98	1064.98	3.701052	3.12276	0
16	26	231.1894	54.02119	1870.13	1094.82	-68.3105	53.67254	1094.19	1094.19	1074.191	1069.191	3.036767	2.562273	0
1	27	190.6393	44.56846	1870.13	1095.355	-68.3105	53.67254	1094.504	1094.504	1078.5	1073.5	2.46344	2.078528	0
1	28	159.3465	39.99865	1870.13	1095.441	-68.3105	53.67254	1096.229	1096.229	1083.304	1078.304	2.185015	1.843606	0
15	29	147.755	584.2634	1870.13	1095.041	-68.3105	53.67254	1096.936	1096.936	1082.93	1077.938	1.999475	1.69989	0
16	30	4560.372	588.1988	1870.13	1094.999	-68.3105	53.67254	1092.721	1092.721	1075.206	1070.206	1.269226	1.070911	0
1	31	175.7686	635.1309	1870.13	1094.843	-68.3105	53.67254	1092.064	1092.064	1084.118	1079.118	3.231278	2.733653	0
1	32	4903.594	624.387	3740.26	1094.962	-68.3105	53.67254	1093.787	1093.787	1095.472	1090.472	.9784852	.7503181	0
16	33	101.4339	26.44316	3740.26	1094.947	-68.3105	53.67254	1093.547	1093.547	1096.034	1091.034	.9375	.7025306	0
	34	110.202	28.27968	1870.13	1094.979	-68.3105	53.67254	1093.137	1093.137	1091.774	1086.774	.9375	.791016	0
1	35	119.1328	26.48615	1870.13	1094.66	-68.3105	53.67254	1093.66	1093.66	1085.917	1080.917	.9393262	.7925572	0
16	36	95.08091	23.68828	1870.13	1094.332	-12.15999	53.67254	1093.688	1093.688	1082.767	1077.767	.1	.1	0
16	37	95.11975	23.72681	1870.13	1094.931	-12.15999	53.67254	1094.209	1094.209	1082.034	1077.034	.1	.1	0
1	38	95.62219	23.8493	1870.13	1096.307	-36.47998	53.67254	1095.151	1095.151	1082.372	1077.372	.1	.1	0
15	39	96.41385	24.03513	1870.13	1098.888	-36.47998	53.67254	1096.598	1096.598	1082.89	1077.89	.1	.1	0
16	40	145.8347	12.76918	2805.195	1104.31	-36.47998	80.50881	1107.71	1107.71	1081.856	1076.856	.1	.1	0
1	41	220.6469	13.39727	3740.26	1115.028	-136.621	107.3451	1120.854	1120.854	1080.948	1075.948	.2225034	.1877373	0
1	42	214.1454	16.81627	3740.26	1120.456	-136.621	107.3451	1127.94	1127.94	1084.338	1079.338	.1797135	.1516333	0
16	43	325.9318	19.9449	3740.26	1120.196	-136.621	107.3451	1132.576	1132.576	1087.064	1082.064	.907138	.907138	0
	44	310.9248	19.01997	3740.26	1117.622	-136.621	107.3451	1118.633	1118.633	1089.419	1084.419	.94	.94	0
	45	296.2885	18.58051	3740.26	1114.849	-136.621	107.3451	1111.012	1111.012	1092.037	1087.037	.94	.94	0
16	46	299.6071	18.6804	3740.26	1117.622	-18.23998	107.3451	1117.813	1117.813	1094.238	1089.238	.94	.94	0
16	47	298.9933	18.46085	3740.26	1118.904	-18.23998	107.3451	1122.052	1122.052	1096.168	1091.168	.94	.94	0
	48	292.6105	18.16741	3740.26	1118.696	-18.23998	107.3451	1120.033	1120.033	1098.033	1093.033	.94	.94	0

16	49	289.7877	17.98991	3740.26	1118.464	-18.23998	107.3451	1119.748	1119.748	1098.821	1093.821	.94	.94	0
	50	289.8593	18.05727	3740.26	1118.468	-18.23998	107.3451	1120.048	1120.048	1098.893	1093.893	.94	.824451	0
	51	296.1123	18.33232	3740.26	1118.82	-18.23998	107.3451	1119.982	1119.982	1098.649	1093.649	.94	.956209	0
16	52	297.1137	18.3154	3740.26	1119.747	-136.621	107.3451	1118.891	1118.891	1098.317	1093.317	.940186	.940186	0
16	53	290.0892	17.65782	3740.26	1118.152	-105.1199	107.3451	1118.856	1118.856	1097.417	1092.417	.927495	.927495	0
	54	273.6035	16.31885	3740.26	1114.291	-136.621	107.3451	1113.63	1113.63	1096.808	1091.808	.885361	.885361	0
	55	246.185	14.61725	3740.26	1106.139	-136.621	107.3451	1107.542	1107.542	1095.841	1090.841	.881703	.881703	0
16	56	222.8654	13.82112	3740.26	1100.054	-136.621	20000	1100	1099	1095.32	1090.32	.678658	.678658	12
	57	221.6341	14.83916	3740.26	1102.022	-136.621	20000	1102	1101	1094.562	1089.562	.592919	.592919	12
	58	250.6782	16.49799	3740.26	1116.886	-136.621	107.3451	1121.277	1121.277	1093.421	1088.421	.532198	.532198	0
16	59	274.6235	17.52069	3740.26	1127.195	-136.621	107.3451	1126.993	1126.993	1092.623	1087.623	.532348	.532348	0
	60	283.9131	18.06056	3740.26	1132.697	-136.621	107.3451	1131.962	1131.962	1091.792	1086.792	.515694	.515694	0
	61	283.7995	17.83459	3740.26	1136.737	-136.621	107.3451	1136.5	1136.5	1090.982	1085.982	.506938	.506938	0
16	62	276.6589	17.01898	3740.26	1136.862	-136.621	107.3451	1143.588	1143.588	1090	1085	.428871	.428871	0
16	63	266.2982	16.16494	3740.26	1132.583	-136.621	107.3451	1148.587	1148.587	1089.2	1084.2	.40468	.40468	0
	64	250.7425	15.66472	3740.26	1122.614	-72.9599	20000	1122.6	1121.6	1088.685	1083.685	.402913	.402913	20
	1	50405.08	3140.03	3740.26	1119.806	-18.23998	20000	1120.8	1119.8	980.1788	975.1788	89.68834	44.84417	19
17	2	48989.27	3025.225	3740.26	1114.426	-12.15999	107.3451	1127.099	1127.099	980.9326	975.9326	90.6255	45.31275	0
	3	47118.38	2865.057	3740.26	1109.635	-12.15999	107.3451	1125.574	1125.574	981.2112	976.2112	90.34676	45.17338	0
	4	44080.16	2683.648	3740.26	1105.37	-12.15999	107.3451	1128.047	1128.047	986.2615	981.2615	90.8	45.4	0
17	5	41411.77	2531.43	3740.26	1101.612	-12.15999	107.3451	1122.326	1122.326	989.8273	984.8273	90.78514	45.39257	0
17	6	39196.58	2394.392	3740.26	1098.394	-12.15999	107.3451	1139.529	1139.529	992.7124	987.7124	90.8	45.4	0
	7	36939.92	2280.493	3740.26	1095.561	-12.15999	107.3451	1150.983	1150.983	995.8832	990.8832	90.8	45.4	0
17	8	35496.97	2183.847	3740.26	1093.081	-12.15999	107.3451	1147.478	1147.478	997.4453	992.4453	90.8	45.4	0
17	9	33920.78	2084.923	3740.26	1090.789	-12.15999	107.3451	1149.13	1149.13	999.6342	994.6342	90.80002	45.40001	0
	10	32358.71	2974.038	3740.26	1088.815	0	107.3451	1121.598	1121.598	1001.904	996.9041	90.8	45.4	0
	11	62190.53	3853.725	3740.26	1087.754	0	107.3451	1082.285	1082.285	1004.264	999.2645	181.6	90.80002	0
17	12	60346.67	3712.647	3740.26	1087.102	0	107.3451	1115.546	1115.546	1006.149	1001.149	181.6	90.8	0
	13	57778.52	3537.091	3740.26	1085.969	0	20000	1085.3	1084.3	1008.699	1003.699	181.6	90.8	16
	14	55037.52	3361.354	3740.26	1085.49	-136.621	20000	1085.3	1084.3	1012.278	1007.278	181.6	90.8	16
	15	52439.36	3687.103	3740.26	1085.595	-136.621	107.3451	1085.43	1085.43	1016.084	1011.084	181.6216	90.8108	0
	16	66138.7	3552.191	3740.26	1085.768	-136.621	107.3451	1088.743	1088.743	1021.074	1016.074	243.3746	121.6873	0
	17	46717.89	3268.096	3740.26	1085.897	-105.5999	107.3451	1093.33	1093.33	1026.016	1021.016	184.9128	184.9128	0
	18	39511.5	4451.938	2805.195	1086.043	-102.4658	80.50881	1093.822	1093.822	1028.683	1023.683	225.77	225.77	0
17	19	6670.513	1257.758	1870.13	1086.184	-68.3105	53.67254	1094.095	1094.095	1031.353	1026.353	61.16095	61.16095	0
	20	2372.624	669.5254	1870.13	1086.596	-68.3105	53.67254	1094.292	1094.292	1035.092	1030.092	23.54668	17.66001	0
	21	2337.151	704.1343	1870.13	1087.256	-68.3105	53.67254	1094.386	1094.386	1042.291	1037.291	26.77054	20.07791	0
17	22	2483.578	414.0001	1870.13	1087.818	-68.3105	53.67254	1094.414	1094.414	1050.279	1045.279	34.78787	26.09091	0
	23	315.5442	82.26948	1870.13	1088.675	-68.3105	53.67254	1094.27	1094.27	1058.385	1053.385	4.0633	3.42841	0
	24	267.043	69.52417	1870.13	1092.032	-68.3105	53.67254	1094.798	1094.798	1065.928	1060.928	3.498492	2.951855	0
17	25	309.8741	60.41556	1870.13	1094.815	-68.3105	53.67254	1097.856	1097.856	1072.118	1067.118	3.208848	2.707463	0
17	26	270.9875	51.43597	1870.13	1096.403	-68.3105	53.67254	1096.238	1096.238	1075.802	1070.802	2.723155	2.297663	0
	27	227.2721	42.92799	1870.13	1097.132	-68.3105	53.67254	1097.703	1097.703	1079.522	1074.522	2.239796	1.889829	0
	28	181.4057	36.77674	1870.13	1096.876	-68.3105	53.67254	1097.718	1097.718	1084.73	1079.73	1.939419	1.626426	0
17	29	151.9963	592.7684	1870.13	1096.407	-68.3105	53.67254	1098.325	1098.325	1086.031	1081.038	1.56533	1.335574	0
	30	4674.088	595.8364	1870.13	1096.307	-68.3105	53.67254	1094.551	1094.551	1080.407	1075.414	.9131065	.780662	0
	31	170.1248	634.7097	1870.13	1096.237	-68.3105	53.67254	1093.953	1093.953	1086.05	1081.05	2.443772	2.077492	2
17	32	4931.066	626.8699	3740.26	1096.319	-68.3105	53.67254	1094.337	1094.337	1096.623	1091.623	.9727552	.4420537	0
17	33	100.6353	26.46581	3740.26	1096.383	-68.3105	53.67254	1095.413	1095.413	1098.283	1093.283	.9375	.4085753	0
	34	120.6126	29.05405	1870.13	1097.203	-68.3105	53.67254	1095.916	1095.916	1093.216	1088.216	.9375	.8008327	0
17	35	123.2369	27.06729	1870.13	1096.647	-12.15999	53.67254	1094.182	1094.182	1085.844	1080.844	.9461948	.7983525	0
17	36	95.709	23.86189	1870.13	1097.183	-12.15999	53.67254	1096.094	1096.094	1082.971	1077.971	.1	.1	0
	37	95.92927	23.95875	1870.13	1098.712	-12.15999	53.67254	1100.774	1100.774	1082.123	1077.123	.1	.1	0
	38	96.76227	24.15979	1870.13	1100.924	-36.47998	53.67254	1101.093	1101.093	1083.094	1078.094	.1	.1	0
17	39	97.79256	24.37412	1870.13	1103.923	-36.47998	53.67254	1103.687	1103.687	1084.694	1079.694	.1	.1	0
	40	147.746	13.17414	2805.195	1108.794	-102.4658	80.50881	1115.538	1115.538	1083.734	1078.734	.1	.1	0
	41	228.671	13.77725	3740.26	1117.732	-136.621	107.3451	1126.283	1126.283	1083.067	1078.067	.2742342	.231385	0
17	42	216.1669	16.93855	3740.26	1122.083	-136.621	107.3451	1130.015	1130.015	1086.065	1081.065	.1824551	.1539466	0
17	43	326.2324	19.85864	3740.26	1120.968	-136.621	107.3451	1131.623	1131.623	1088.936	1083.936	.937632	.937632	0
	44	306.3488	18.93086	3740.26	1117.477	-136.621	107.3451	1115.26	1115.26	1090.894	1085.894	.94	.94	0

18	41	231.9775	14.02512	3740.26	1119.996	-136.621	107.3451	1131.231	1131.231	1085.576	1080.576	.2992884	.2525246	0
18	42	218.4517	16.9614	3740.26	1123.427	-136.621	107.3451	1130.219	1130.219	1087.917	1082.917	.1890075	.1594751	0
18	43	323.7957	19.67768	3740.26	1121.476	-27.35998	107.3451	1129.755	1129.755	1090.704	1085.704	.949878	.949878	0
18	44	302.8395	18.87863	3740.26	1117.504	-136.621	107.3451	1114.152	1114.152	1092.401	1087.401	.940006	.940006	0
18	45	300.5242	18.76535	3740.26	1117.977	-136.621	107.3451	1117.514	1117.514	1094.479	1089.479	.94	.94	0
	46	300.8279	18.78446	3740.26	1119.612	-18.23998	107.3451	1121.595	1121.595	1096.361	1091.361	.94	.94	0
18	47	299.4805	18.72835	3740.26	1120.807	-18.23998	107.3451	1125.043	1125.043	1097.92	1092.92	.94	.94	0
18	48	304.604	18.94398	3740.26	1121.179	-18.23998	107.3451	1122.141	1122.141	1099.383	1094.383	.94	.995881	0
18	49	316.9257	19.14801	3740.26	1121.277	-18.23998	107.3451	1121.436	1121.436	1100.21	1095.21	.94	1.530556	0
18	50	324.0144	19.41447	3740.26	1121.354	-18.23998	107.3451	1123.01	1123.01	1100.623	1095.623	.944108	1.453575	0
18	51	325.1161	19.27944	3740.26	1121.439	-18.23998	107.3451	1122.55	1122.55	1100.312	1095.312	.94	1.941869	0
18	52	301.5422	18.31948	3740.26	1122.161	-136.621	107.3451	1122.078	1122.078	1099.489	1094.489	.939675	.939675	0
18	53	282.463	17.30979	3740.26	1120.252	-105.1199	107.3451	1119.777	1119.777	1098.708	1093.708	.837493	.837493	0
18	54	266.1562	15.94939	3740.26	1117.38	-136.621	107.3451	1117.253	1117.253	1097.851	1092.851	.744855	.744855	0
18	55	241.1111	14.72136	3740.26	1111.842	-136.621	107.3451	1112.551	1112.551	1096.815	1091.815	.586435	.586435	0
18	56	230.8864	14.03789	3740.26	1106.542	-136.621	107.3451	1112.773	1112.773	1095.884	1090.884	.565811	.565811	0
18	57	219.9832	14.47083	3740.26	1102.517	-136.621	20000	1102.5	1101.5	1094.942	1089.942	.530413	.530413	12
18	58	239.7939	16.10708	3740.26	1112.996	-136.621	107.3451	1119.956	1119.956	1094.209	1089.209	.532836	.532836	0
18	59	271.0905	17.2674	3740.26	1125.431	-136.621	107.3451	1125.382	1125.382	1092.838	1087.838	.53738	.53738	0
18	60	278.8675	17.22089	3740.26	1131.391	-136.621	107.3451	1130.516	1130.516	1091.878	1086.878	.504273	.504273	0
18	61	270.1952	17.0162	3740.26	1136.062	-136.621	107.3451	1136.507	1136.507	1090.858	1085.858	.403272	.403272	0
18	62	272.7234	16.8773	3740.26	1136.423	-136.621	107.3451	1142.241	1142.241	1089.6	1084.6	.410789	.410789	0
18	63	266.0693	16.18955	3740.26	1132.266	-136.621	107.3451	1147.398	1147.398	1088.614	1083.614	.403	.403	0
18	64	252.2385	15.73793	3740.26	1122.81	-54.71994	20000	1122.8	1121.8	1087.595	1082.595	.403	.403	20
19	1	45750.18	2912.93	3740.26	1118.532	-12.15999	20000	1120	1119	980.3575	975.3575	83.74838	41.87419	19
19	2	44907.88	2872.714	3740.26	1112.936	-12.15999	107.3451	1126.134	1126.134	981.3298	976.3298	85.55536	42.77768	0
19	3	44989.71	2755.677	3740.26	1107.967	-12.15999	107.3451	1123.956	1123.956	981.8921	976.8921	89.12468	44.56234	0
19	4	41454.57	2597.025	3740.26	1103.562	-12.15999	107.3451	1128.316	1128.316	986.6857	981.6857	88.25898	44.12949	0
19	5	40663.07	2481.247	3740.26	1099.75	-12.15999	107.3451	1134.081	1134.081	989.998	984.998	90.76152	45.38076	0
19	6	37948.22	2332.249	3740.26	1096.6	-12.15999	107.3451	1139.317	1139.317	993.2807	988.2807	90.80002	45.40001	0
	7	35805.58	2213.063	3740.26	1093.825	-12.15999	107.3451	1150.949	1150.949	997.1791	992.1791	90.72212	45.36106	0
	8	34483.38	2126.169	3740.26	1091.502	-12.15999	107.3451	1142.513	1142.513	998.6955	993.6955	90.8	45.4	0
19	9	32918.5	2029.898	3740.26	1089.269	-12.15999	107.3451	1135.935	1135.935	1000.371	995.3714	90.8	45.4	0
19	10	31388.73	2895.492	3740.26	1087.496	0	107.3451	1115.689	1115.689	1003.182	998.1817	90.8	45.4	0
19	11	60601.45	3756.855	3740.26	1086.89	0	107.3451	1109.607	1109.607	1005.565	1000.565	181.6	90.80002	0
19	12	58854.91	3630.075	3740.26	1086.312	0	107.3451	1093.053	1093.053	1007.464	1002.464	181.6	90.8	0
19	13	56730.39	3497.126	3740.26	1085.593	0	20000	1085.3	1084.3	1009.858	1004.858	181.6	90.8	16
19	14	54924.15	3352.497	3740.26	1085.494	-136.621	20000	1085.3	1084.3	1012.509	1007.509	181.6	90.8	16
19	15	52254.24	3741.825	3740.26	1085.788	-136.621	107.3451	1085.5	1085.5	1016.614	1011.614	182.0619	91.03096	0
19	16	67101.7	3433.119	3740.26	1085.961	-136.621	107.3451	1088.5	1088.5	1021.161	1016.161	249.9392	124.9696	0
19	17	42387.1	2591.939	3740.26	1086.082	-105.5999	107.3451	1094.5	1094.5	1025.818	1020.818	162.0713	162.0713	0
19	18	27483.94	3669.288	2805.195	1086.266	-102.4658	80.50881	1095.052	1095.052	1028.729	1023.729	161.3418	161.3418	0
19	19	8025.748	1508.712	1870.13	1086.495	-68.3105	53.67254	1096.258	1096.258	1031.907	1026.907	75.8168	75.8168	0
19	20	2563.076	704.1628	1870.13	1087.016	-68.3105	53.67254	1099.344	1099.344	1036.626	1031.626	26.70745	20.03059	0
19	21	2257.748	621.9335	1870.13	1087.83	-68.3105	53.67254	1098.661	1098.661	1043.674	1038.674	27.07746	20.30809	0
19	22	1866.639	323.9134	1870.13	1088.538	-68.3105	53.67254	1097.858	1097.858	1051.76	1046.76	27.48457	20.61343	0
19	23	238.1355	70.18024	1870.13	1089.726	-68.3105	53.67254	1096.563	1096.563	1059.95	1054.95	2.990872	2.52355	0
19	24	234.0789	94.68626	1870.13	1094.173	-68.3105	53.67254	1097.63	1097.63	1068.132	1063.132	3.155227	2.662225	0
19	25	409.9194	116.5751	1870.13	1097.061	-68.3105	53.67254	1098.594	1098.594	1074.831	1069.831	7.43454	6.27289	0
19	26	370.79	107.7961	1870.13	1098.742	-68.3105	53.67254	1098.528	1098.528	1077.827	1072.827	7.204014	6.07839	0
19	27	363.8966	90.01036	1870.13	1099.582	-68.3105	53.67254	1098.901	1098.901	1081.01	1076.044	7.08815	5.75803	2
19	28	281.8702	64.67403	1870.13	1098.807	-68.3105	53.67254	1091.83	1091.83	1084.054	1078.442	6.42932	2.482024	2
19	29	187.1815	631.4636	1870.13	1098.849	-68.3105	53.67254	1097.9	1097.9	1087.739	1081.546	4.470394	1.29697	2
19	30	4840.229	623.634	1870.13	1098.828	-68.3105	53.67254	1096.884	1096.884	1091.486	1086.027	2.162256	1.836653	2
19	31	138.0273	640.7574	1870.13	1098.923	-68.3105	53.67254	1098.419	1098.419	1094.45	1089.493	2.745828	2.523726	2
	32	4987.339	635.1345	3740.26	1099.03	-68.3105	53.67254	1100.884	1100.884	1099.812	1094.778	1.856958	.3663866	0
	33	103.2524	29.88059	3740.26	1099.263	-68.3105	53.67254	1102.293	1102.293	1100.567	1095.567	1.875	.2456584	0
19	34	145.2377	32.62847	1870.13	1101.603	-68.3105	53.67254	1105.059	1105.059	1093.824	1088.824	1.9052	1.276042	0
	35	110.8378	27.42017	1870.13	1101.551	-12.15999	53.67254	1106.953	1106.953	1085.535	1080.535	.7442835	.6279893	0
	36	97.01505	24.24648	1870.13	1103.029	-12.15999	53.67254	1114.521	1114.521	1083.5	1078.5	.1	.1	0

19	37	97.83537	24.49834	1870.13	1105.248	-12.15999	53.67254	1121.732	1121.732	1084.349	1079.349	.1	.1	0
1	38	99.40891	24.80921	1870.13	1108.34	-36.47998	53.67254	1121.352	1121.352	1087.827	1082.827	.1	.1	0
1	39	100.4207	25.01266	1870.13	1111.72	-36.47998	53.67254	1118.112	1118.112	1089.767	1084.767	.1	.1	0
19	40	151.3041	13.533	2805.195	1115.594	-102.4658	80.50881	1130.624	1130.624	1088.63	1083.63	.1	.1	0
19	41	227.2075	14.12671	3740.26	1121.864	-136.621	107.3451	1134.959	1134.959	1088.349	1083.349	.297051	.250637	0
	42	216.7343	16.92907	3740.26	1124.504	-136.621	107.3451	1130.273	1130.273	1090.04	1085.04	.1977581	.1668584	0
1	43	320.3372	19.48702	3740.26	1122.042	-27.35998	107.3451	1128.14	1128.14	1092.456	1087.456	.947407	.947407	0
19	44	300.9032	18.8316	3740.26	1117.981	-136.621	107.3451	1114.598	1114.598	1093.947	1088.947	.940001	.940001	0
1	45	300.8842	18.81916	3740.26	1119.253	-136.621	107.3451	1120.487	1120.487	1095.705	1090.705	.94	.94	0
1	46	301.1576	18.73481	3740.26	1120.572	-18.23998	107.3451	1123.253	1123.253	1097.425	1092.425	.94	.94	0
19	47	299.0346	19.02694	3740.26	1121.754	-18.23998	107.3451	1126.549	1126.549	1098.939	1093.939	.940048	.805796	0
19	48	320.9559	19.90162	3740.26	1122.31	-18.23998	107.3451	1123.619	1123.619	1100.208	1095.208	.94	1.486197	0
1	49	341.4469	20.91075	3740.26	1122.495	-18.23998	107.3451	1123.02	1123.02	1101.035	1096.035	.94	2.371895	0
19	50	374.3658	21.15619	3740.26	1122.574	-18.23998	107.3451	1123.597	1123.597	1101.843	1096.843	.943961	3.27353	0
19	51	343.5979	19.88671	3740.26	1122.518	-18.23998	107.3451	1123.87	1123.87	1101.123	1096.123	.920427	2.857392	0
1	52	302.3929	18.18085	3740.26	1123.077	-136.621	107.3451	1124.086	1124.086	1100.279	1095.279	.939419	.939419	0
1	53	277.5737	16.97891	3740.26	1121.074	-105.1199	107.3451	1120.617	1120.617	1099.272	1094.272	.773273	.773273	0
19	54	262.4216	15.75481	3740.26	1118.621	-136.621	107.3451	1118.714	1118.714	1098.285	1093.285	.667761	.667761	0
1	55	241.8433	14.77848	3740.26	1113.794	-136.621	107.3451	1116.13	1116.13	1097.589	1092.589	.532246	.532246	0
1	56	234.0633	14.14146	3740.26	1108.584	-136.621	107.3451	1114.593	1114.593	1095.976	1090.976	.544821	.544821	0
19	57	220.9811	14.26523	3740.26	1102.522	-136.621	20000	1102.5	1101.5	1094.956	1089.956	.5366	.5366	12
19	58	232.5039	15.8232	3740.26	1109.937	-136.621	107.3451	1119.097	1119.097	1094.492	1089.492	.532894	.532894	0
	59	268.2705	17.10498	3740.26	1124.347	-136.621	107.3451	1124.514	1124.514	1092.786	1087.786	.537788	.537788	0
1	60	275.7062	17.09553	3740.26	1130.612	-136.621	107.3451	1129.812	1129.812	1091.727	1086.727	.495155	.495155	0
19	61	269.0828	16.91621	3740.26	1135.371	-136.621	107.3451	1136.102	1136.102	1090.707	1085.707	.403176	.403176	0
1	62	271.1824	16.79725	3740.26	1135.869	-136.621	107.3451	1141.227	1141.227	1089.18	1084.18	.403	.403	0
1	63	265.5992	16.20469	3740.26	1131.811	-105.1199	107.3451	1146.324	1146.324	1088.156	1083.156	.403	.403	0
19	64	252.7766	15.79188	3740.26	1122.909	-36.47998	20000	1122.9	1121.9	1086.683	1081.683	.403	.403	20
20	1	41432.21	2753.199	3740.26	1117.729	-12.15999	20000	1118.7	1117.7	980.3576	975.3576	78.96808	39.48404	19
1	2	41155.95	2745.886	3740.26	1112.066	-12.15999	107.3451	1126.126	1126.126	981.5333	976.5333	82.17114	41.08557	0
	3	40284.62	2647.09	3740.26	1107.027	-12.15999	107.3451	1123.875	1123.875	982.1349	977.1349	86.24126	43.12063	0
1	4	38867.49	2535.327	3740.26	1102.532	-12.15999	107.3451	1128.971	1128.971	986.8992	981.8992	85.83548	42.91774	0
1	5	39129.73	2431.958	3740.26	1098.73	-12.15999	107.3451	1134.418	1134.418	990.0016	985.0016	90.7204	45.3602	0
1	6	35935.02	2277.363	3740.26	1095.625	-12.15999	107.3451	1137.552	1137.552	993.6993	988.6993	89.16926	44.58463	0
20	7	35169.98	2179.996	3740.26	1092.881	0	107.3451	1146.795	1146.795	997.7574	992.7574	90.67692	45.33846	0
	8	33511.55	2086.448	3740.26	1090.675	0	107.3451	1138.435	1138.435	999.2157	994.2157	90.8	45.4	0
	9	32111.84	1989.304	3740.26	1088.44	0	107.3451	1130.159	1130.159	1001.493	996.493	90.59124	45.29562	0
20	10	121240.5	2853.894	3740.26	1086.742	0	107.3451	1112.164	1112.164	1003.852	998.8517	90.8	45.4	0
20	11	59564.12	3709.168	3740.26	1086.455	0	107.3451	1103.519	1103.519	1006.252	1001.252	181.6	90.80002	0
1	12	57950.23	3594.006	3740.26	1085.927	0	20000	1085.4	1084.4	1008.059	1003.059	181.6	90.8	16
20	13	56305.45	3481.282	3740.26	1085.518	0	20000	1085.3	1084.3	1010.393	1005.393	181.6	90.8	16
20	14	54639.67	3346.153	3740.26	1085.557	-136.621	20000	1085.3	1084.3	1012.657	1007.657	181.593	90.7965	16
1	15	52445.74	3717.921	3740.26	1085.891	-136.621	107.3451	1086.5	1086.5	1017.118	1012.118	182.5983	91.29916	0
1	16	64533.91	3409.931	3740.26	1086.058	-136.621	107.3451	1089.5	1089.5	1021.01	1016.01	246.7016	123.3508	0
20	17	36495.92	2347.583	3740.26	1086.175	-105.5999	107.3451	1095.5	1095.5	1025.883	1020.883	161.5591	161.5591	0
1	18	19838.03	2917.806	2805.195	1086.391	-102.4658	80.50881	1096.689	1096.689	1028.975	1023.975	130.7987	130.7987	0
1	19	5381.842	1138.494	1870.13	1086.643	-68.3105	53.67254	1097.44	1097.44	1032.544	1027.544	58.16825	58.16825	0
20	20	2584.93	501.0433	1870.13	1087.277	-68.3105	53.67254	1098.637	1098.637	1037.474	1032.474	19.51136	14.63351	0
20	21	2063.15	409.1634	1870.13	1088.155	-68.3105	53.67254	1099.048	1099.048	1044.353	1039.353	18.61996	13.96497	0
	22	1457.622	202.2803	1870.13	1088.963	-68.3105	53.67254	1097.785	1097.785	1052.26	1047.26	16.66849	12.50137	0
1	23	186.3374	47.87335	1870.13	1090.354	-68.3105	53.67254	1095.821	1095.821	1060.327	1055.327	1.59207	1.343308	0
20	24	167.0174	66.31332	1870.13	1095.17	-68.3105	53.67254	1098.931	1098.931	1068.434	1063.434	1.720134	1.451362	0
	25	272.8841	78.60229	1870.13	1098.079	-68.3105	53.67254	1098.469	1098.469	1074.736	1069.736	4.54584	3.835552	0
	26	350.1964	75.87558	1870.13	1099.904	-68.3105	53.67254	1098.529	1098.529	1078.116	1073.116	3.860636	3.257412	2
20	27	514.8769	71.43134	1870.13	1100.911	-68.3105	53.67254	1098.5	1098.5	1080.319	1075.486	4.745528	3.203366	2
1	28	414.3107	52.5889	1870.13	1100.564	-68.3105	53.67254	1097.123	1097.123	1084.743	1077.659	4.634428	1.18549	2
	29	235.1581	625.3891	1870.13	1100.108	-68.3105	53.67254	1098.29	1098.29	1091.652	1081.847	3.141994	1.009934	2
20	30	4898.418	620.9302	1870.13	1100.052	-68.3105	53.67254	1098.377	1098.377	1093.736	1086.536	1.452365	1.131732	2
20	31	251.0269	640.5841	1870.13	1100.114	-68.3105	53.67254	1100.317	1100.317	1096.502	1091.691	1.802328	2.026262	2
	32	5222.481	637.5132	3740.26	1100.346	-68.3105	53.67254	1105.545	1105.545	1100.487	1095.465	1.398407	.2539658	0

20	33	177.554	32.24196	1870.13	1100.742	-68.3105	53.67254	1107.589	1107.589	1099.902	1094.874	1.875	.431495	0
20	34	447.4967	31.39041	1870.13	1103.52	-68.3105	53.67254	1110.123	1110.123	1092.947	1087.947	1.929339	1.578985	0
2	35	123.6813	24.54303	1870.13	1103.587	-12.15999	53.67254	1113.478	1113.478	1085.877	1080.877	.1420165	.1198264	0
2	36	97.76349	24.46613	1870.13	1105.508	-12.15999	53.67254	1120.504	1120.504	1084.385	1079.385	.1	.1	0
20	37	98.99924	24.81273	1870.13	1107.956	-12.15999	53.67254	1126.155	1126.155	1086.744	1081.744	.1	.1	0
2	38	100.901	25.1482	1870.13	1111.278	-36.47998	53.67254	1126.47	1126.47	1091.739	1086.739	.1	.1	0
	39	101.7712	25.30988	1870.13	1114.734	-68.3105	53.67254	1123.797	1123.797	1092.778	1087.778	.1	.1	0
20	40	153.3602	13.27614	2805.195	1118.023	-70.07994	80.50881	1134.911	1134.911	1091.485	1086.485	.1	.1	0
20	41	246.9022	13.61965	3740.26	1123.381	-70.07994	107.3451	1135.677	1135.677	1091.255	1086.255	.2197426	.1854077	0
2	42	234.1684	16.6379	3740.26	1125.324	-70.07994	107.3451	1131.883	1131.883	1092.369	1087.369	.1537514	.1297277	0
20	43	314.2103	19.34051	3740.26	1122.645	-27.35998	107.3451	1127.436	1127.436	1094.411	1089.411	.946986	.946986	0
20	44	296.703	18.78012	3740.26	1118.871	-136.621	107.3451	1117.896	1117.896	1095.487	1090.487	.939998	.939998	0
2	45	297.3354	18.80845	3740.26	1120.07	-18.23998	107.3451	1121.888	1121.888	1096.928	1091.928	.940023	.940023	0
2	46	305.2795	18.7772	3740.26	1121.479	-18.23998	107.3451	1124.439	1124.439	1098.541	1093.541	.94	.94	0
20	47	311.3523	19.72247	3740.26	1122.679	-18.23998	107.3451	1127.049	1127.049	1099.987	1094.987	.940034	.845026	0
2	48	364.1409	21.49855	3740.26	1123.347	-18.23998	107.3451	1125.584	1125.584	1101.103	1096.103	.94	2.474609	0
2	49	393.5831	23.82755	3740.26	1123.577	-18.23998	107.3451	1124.629	1124.629	1101.88	1096.88	.94	3.794164	0
20	50	423.2003	23.71654	3740.26	1123.589	-18.23998	107.3451	1124.062	1124.062	1102.859	1097.859	.938758	6.417199	0
20	51	358.0033	20.48772	3740.26	1123.449	-18.23998	107.3451	1124.851	1124.851	1101.812	1096.812	.889699	3.84884	0
2	52	286.3804	18.06706	3740.26	1123.696	-136.621	107.3451	1126.09	1126.09	1100.88	1095.88	.93959	.93959	0
2	53	271.9086	16.7708	3740.26	1121.728	-105.1199	107.3451	1121.353	1121.353	1099.621	1094.621	.72283	.72283	0
20	54	260.1418	15.76174	3740.26	1119.491	-136.621	107.3451	1119.901	1119.901	1098.509	1093.509	.626006	.626006	0
2	55	245.4169	14.96568	3740.26	1115.179	-136.621	107.3451	1124.794	1124.794	1097.85	1092.85	.532653	.532653	0
2	56	237.6595	14.29881	3740.26	1110.052	-136.621	107.3451	1116.651	1116.651	1095.844	1090.844	.544392	.544392	0
20	57	223.8293	14.07758	3740.26	1103.02	-136.621	20000	1103	1102	1094.765	1089.765	.54369	.54369	12
20	58	230.1373	15.4752	3740.26	1105.668	-136.621	20000	1105.6	1104.6	1093.413	1088.413	.533015	.533015	12
2	59	262.4462	16.89356	3740.26	1123.193	-136.621	107.3451	1123.602	1123.602	1092.443	1087.443	.527963	.527963	0
20	60	268.7909	16.95378	3740.26	1129.733	-136.621	107.3451	1128.993	1128.993	1091.316	1086.316	.483316	.483316	0
20	61	268.0651	16.85036	3740.26	1134.441	-136.621	107.3451	1134.76	1134.76	1090.364	1085.364	.403311	.403311	0
	62	270.2527	16.75161	3740.26	1135.09	-105.1199	107.3451	1140.083	1140.083	1088.719	1083.719	.403	.403	0
	63	265.0314	16.1938	3740.26	1131.247	-70.07994	107.3451	1145.163	1145.163	1087.705	1082.705	.403	.403	0
	64	252.9752	15.80519	3740.26	1123.009	-36.47998	20000	1123	1122	1086.615	1081.615	.403	.403	20
	1	18989.66	3612.842	5610.39	1116.75	-12.15999	30000	1117.4	1116.4	980.5363	975.5363	69.36784	34.68392	19
	2	18597.96	3516.225	5610.39	1111.075	-12.15999	161.0176	1127.006	1127.006	981.9244	976.9244	72.90058	36.45029	0
21	3	17645.93	3449.875	5610.39	1105.929	-12.15999	161.0176	1125.454	1125.454	982.811	977.811	72.49296	36.24648	0
21	4	17414.43	3509.249	5610.39	1101.374	-12.15999	161.0176	1129.691	1129.691	987.2956	982.2956	79.2802	39.6401	0
	5	16773.22	3389.383	5610.39	1097.615	-12.15999	161.0176	1134.396	1134.396	990.2264	985.2264	85.73668	42.86834	0
	6	16307.96	3250.049	5610.39	1094.559	-12.15999	161.0176	1131.436	1131.436	994.2067	989.2067	83.63112	41.81556	0
21	7	16085.11	3168.899	5610.39	1091.88	0	161.0176	1134.228	1134.228	998.2591	993.2591	90.26828	45.13414	0
	8	15534.16	3022.521	5610.39	1089.819	0	161.0176	1122.14	1122.14	1000.301	995.3014	88.76028	44.38014	0
	9	15557.7	11392.83	5610.39	1087.551	0	161.0176	1113.205	1113.205	1002.777	997.7768	90.46402	45.23201	0
21	10	60111.56	12669.6	5610.39	1086.526	0	161.0176	1100.782	1100.782	1005.174	.074	90.8	45.4	0
2	11	29234.61	5453.219	5610.39	1086.031	0	30000	1085.4	1084.4	1007.565	1002.565	181.6	90.80002	16
2	12	28432.13	5320.462	5610.39	1085.709	0	30000	1085.4	1084.4	1009.354	1004.354	181.6	90.8	16
21	13	27820.29	5179.182	5610.39	1085.492	-204.9315	30000	1085.3	1084.3	1010.928	1005.928	181.6	90.8	16
21	14	27109.23	5020.028	5610.39	1085.692	-204.9315	161.0176	1084.098	1084.098	1013.487	1008.487	181.5897	90.79484	0
	15	26502.65	5389.961	5610.39	1086	-204.9315	161.0176	1088.5	1088.5	1017.386	1012.386	184.8383	92.41916	0
2	16	29398.43	4356.65	5610.39	1086.161	-158.3998	161.0176	1091.5	1091.5	1020.847	1015.847	229.1116	114.5558	0
21	17	12962.51	2379.871	5610.39	1086.277	-105.5999	161.0176	1098.693	1098.693	1026.402	1021.401	117.6363	117.6363	0
	18	6379.877	2600.989	4207.792	1086.547	-105.5999	120.7632	1097.128	1097.128	1029.899	1024.899	80.98224	80.98224	0
	19	1520.033	1279.798	2805.195	1086.852	-102.4658	80.50881	1098.886	1098.886	1033.928	1028.928	32.34382	32.34382	0
21	20	1186.491	991.4651	2805.195	1087.619	-102.4658	80.50881	1100.079	1100.079	1039.108	1034.108	27.41993	27.41993	0
2	21	902.2726	706.5447	2805.195	1088.531	-102.4658	80.50881	1098.548	1098.548	1045.683	1040.683	23.03477	23.03477	0
	22	596.8033	313.0645	2805.195	1089.496	-102.4658	80.50881	1097.428	1097.428	1053.295	1048.295	17.09989	17.09989	0
21	23	82.69756	60.698	2805.195	1091.064	-102.4658	80.50881	1098.451	1098.451	1061.188	1056.188	1.327278	1.990916	0
21	24	71.41776	65.49308	2805.195	1096.385	-102.4658	80.50881	1098.558	1098.558	1069.003	1064.003	.8090575	1.213586	0
	25	128.2878	115.7517	2805.195	1099.542	-102.4658	80.50881	1098.5	1098.5	1075.258	1070.258	1.870478	2.805716	1
	26	253.8188	210.5891	2805.195	1101.344	-102.4658	80.50881	1098.5	1098.5	1080.062	1075.055	5.61632	8.079244	2
21	27	437.0875	241.2983	2805.195	1102.167	-102.4658	80.50881	1098.5	1098.5	1082.3	1076.463	12.50426	10.75811	2
	28	353.1267	164.6674	2805.195	1102.039	-102.4658	80.50881	1098.451	1098.451	1088.628	1077.576	14.22964	4.591316	0

21	29	188.7776	987.0074	2805.195	1101.376	-102.4658	80.50881	1098.968	1098.968	1098.703	1082.308	9.459256	4.900126	0
2	30	2494.98	999.6466	2805.195	1101.229	-102.4658	80.50881	1101.226	1101.226	1100.828	1087.704	4.394774	4.92609	0
2	31	204.7272	1091.689	2805.195	1101.489	-102.4658	80.50881	1104.121	1104.121	1097.061	1091.482	6.05288	19.84817	2
21	32	2766.385	1068.743	2805.195	1101.552	-102.4658	80.50881	1107.238	1107.238	1097.281	1093.799	11.34532	57.21124	0
2	33	208.7406	186.0311	2805.195	1102.143	-102.4658	80.50881	1112.94	1112.94	1099.581	1094.544	15	7.572402	0
	34	386.9687	167.1061	2805.195	1104.188	-102.4658	80.50881	1114.405	1114.405	1091.101	1086.101	15.6277	24.03892	0
21	35	76.76744	46.22723	2805.195	1104.956	-12.15999	80.50881	1120.397	1120.397	1085.636	1080.636	1.04063	1.560944	0
2	36	49.31323	37.08682	2805.195	1107.72	-102.4658	80.50881	1126.776	1126.776	1086.047	1081.047	.1	.1	0
2	37	50.13752	37.74352	2805.195	1110.287	-23.35998	80.50881	1132.383	1132.383	1090.355	1085.355	.1	.1	0
21	38	51.08895	38.27979	2805.195	1113.771	-70.07994	80.50881	1137.635	1137.635	1096.418	1091.46	.1	.1	0
21	39	51.43431	38.53945	2805.195	1117.08	-70.07994	80.50881	1135.774	1135.774	1096.901	1092.177	.1	.1	0
2	40	77.85918	22.4029	4207.792	1120.042	-70.07994	120.7632	1135.648	1135.648	1097.077	1092.052	.1	.1	0
2	41	143.2378	24.6709	5610.39	1124.674	-70.07994	161.0176	1136.558	1136.558	1096.749	1091.749	.5597128	.733658	0
21	42	126.6805	26.45366	5610.39	1126.088	-70.07994	161.0176	1134.124	1134.124	1096.953	1091.953	.4072256	.6108384	0
2	43	152.9965	28.26236	5610.39	1123.264	-27.35998	161.0176	1125.944	1125.944	1098.051	1093.051	.94427	.94427	0
2	44	144.2253	27.52093	5610.39	1119.344	-204.9315	161.0176	1118.153	1118.153	1098.573	1093.573	.93983	.93983	0
21	45	146.5095	28.28248	5610.39	1120.821	-18.23998	161.0176	1122.889	1122.889	1099.471	1094.471	.940291	.838773	0
21	46	167.0022	29.64343	5610.39	1122.327	-18.23998	161.0176	1125.459	1125.459	1100.679	1095.679	.939677	1.498583	0
2	47	180.3348	33.74377	5610.39	1123.538	-18.23998	161.0176	1128.088	1128.088	1101.798	1096.798	.945348	2.096349	0
2	48	213.6063	38.7888	5610.39	1124.233	-18.23998	161.0176	1129.823	1129.823	1102.849	1097.846	.940592	5.822707	0
21	49	223.3568	40.83213	5610.39	1124.481	-18.23998	161.0176	1129.296	1129.296	1103.472	1098.469	.910231	7.688481	0
2	50	210.2882	37.66302	5610.39	1124.451	-35.03998	161.0176	1125.592	1125.592	1103.913	1098.904	.862561	8.426222	0
2	51	181.2866	29.67939	5610.39	1124.269	-35.03998	161.0176	1126.332	1126.332	1102.803	1097.803	.78811	4.782454	0
21	52	135.435	25.239	5610.39	1124.014	-52.55998	161.0176	1129.881	1129.881	1101.493	1096.493	.649539	.644966	0
21	53	134.306	24.72352	5610.39	1122.164	-105.1199	161.0176	1122.237	1122.237	1099.661	1094.661	.647606	.647606	0
2	54	129.026	23.75351	5610.39	1119.961	-140.1599	161.0176	1121.595	1121.595	1098.279	1093.279	.591416	.591416	0
21	55	124.98	22.83989	5610.39	1116.022	-140.1599	161.0176	1127.493	1127.493	1096.443	1091.443	.54166	.54166	0
21	56	120.7471	21.81635	5610.39	1111.022	-140.1599	161.0176	1118.849	1118.849	1095.562	1090.562	.561001	.561001	0
2	57	115.1578	21.443	5610.39	1104.018	-140.1599	30000	1104	1103	1094.34	1089.34	.565224	.565224	12
2	58	116.6698	22.9669	5610.39	1105.62	-140.1599	30000	1105.6	1104.6	1093.282	1088.282	.57479	.57479	12
	59	127.558	24.46313	5610.39	1122.105	-140.1599	161.0176	1121.891	1121.891	1091.527	1086.527	.478226	.478226	0
2	60	130.3346	24.89958	5610.39	1128.734	-140.1599	161.0176	1127.418	1127.418	1090.337	1085.337	.427779	.427779	0
2	61	133.3115	25.19175	5610.39	1133.255	-105.1199	161.0176	1132.288	1132.288	1088.879	1083.879	.403	.403	0
21	62	134.3371	25.05547	5610.39	1134.199	-70.07994	161.0176	1138.226	1138.226	1088.102	1083.102	.403	.403	0
21	63	132.0132	24.27243	5610.39	1130.677	-70.07994	161.0176	1143.211	1143.211	1087.259	1082.259	.403	.403	0
2	64	126.6384	23.72507	5610.39	1123.107	-36.47998	30000	1123.1	1122.1	1086.582	1081.582	.402996	.402996	20
22	1	18558.19	4579.783	7480.52	1114.665	-12.15999	40000	1115.4	1114.4	980.5589	975.5589	68.21746	34.10873	19
22	2	17637.18	4372.674	7480.52	1108.751	-12.15999	214.6902	1127.967	1127.967	982.1615	977.1615	69.34238	34.67119	0
2	3	16748.28	4165.257	7480.52	1103.288	-12.15999	214.6902	1127.894	1127.894	983.0025	978.0025	69.14464	34.57232	0
2	4	15736.19	3867.913	7480.52	1098.645	0	214.6902	1124.945	1124.945	987.6895	982.6895	71.57432	35.78716	0
22	5	14384.9	3751.117	7480.52	1094.845	0	214.6902	1129.985	1129.985	990.9929	985.9929	68.62868	34.31434	0
2	6	14509.1	3764.867	7480.52	1092.107	0	214.6902	1118.234	1118.234	994.7136	989.7136	76.6002	38.3001	0
2	7	13555.79	3679.618	7480.52	1089.556	0	214.6902	1109.25	1109.25	999.0019	994.0019	79.00966	39.50483	0
22	8	13787.29	3742.937	7480.52	1087.995	0	214.6902	1105.569	1105.569	1001.104	996.1041	81.7701	40.88505	0
22	9	13717.04	3726.875	7480.52	1086.024	0	40000	1085.4	1084.4	1004.051	999.0515	90.0224	45.0112	16
2	10	13810.14	5443.746	7480.52	1085.999	0	40000	1085.4	1084.4	1006.446	1001.446	88.2866	44.1433	16
22	11	28351.86	7145.726	7480.52	1085.663	0	40000	1085.4	1084.4	1008.91	1003.91	182.5899	91.29496	16
22	12	28030.04	6969.157	7480.52	1085.569	-273.242	40000	1085.4	1084.4	1010.695	1005.695	181.6	90.80002	16
2	13	27408	6826.803	7480.52	1085.56	-211.1998	40000	1085.3	1084.3	1012.267	1007.267	181.6	90.8	16
2	14	26817.05	6709.597	7480.52	1085.949	-211.1998	214.6902	1090.355	1090.355	1014.209	1009.209	181.5877	90.79384	0
22	15	26596.69	6788.654	7480.52	1086.235	-211.1998	214.6902	1097.001	1097.001	1017.75	1012.75	187.279	93.63952	0
22	16	25855.18	4781.368	7480.52	1086.394	-213.5998	214.6902	1098.849	1098.849	1020.9	1015.9	202.8976	101.4488	0
2	17	8973.306	2194.092	7480.52	1086.545	-105.5999	214.6902	1099.728	1099.728	1027.093	1022.093	81.65518	81.65518	0
22	18	4280.399	2305.299	5610.39	1086.991	-158.3998	161.0176	1097.816	1097.816	1031.087	1026.087	56.55836	56.55836	0
22	19	916.0601	1000.127	3740.26	1087.403	-136.621	107.3451	1096.981	1096.981	1035.292	1030.292	19.17894	19.17894	0
	20	694.4707	766.8105	3740.26	1088.343	-136.621	107.3451	1099.834	1099.834	1040.355	1035.355	15.70805	15.70805	0
	21	562.6191	557.0164	3740.26	1089.523	-136.621	107.3451	1100.477	1100.477	1046.506	1041.506	13.04455	13.04455	0
22	22	402.8318	262.0816	3740.26	1090.947	-136.621	107.3451	1099.464	1099.464	1053.67	1048.67	9.697531	9.697531	0
	23	89.49593	73.18465	3740.26	1093.459	-136.621	107.3451	1098.5	1098.5	1061.748	1056.748	.84871	1.273065	1
	24	105.1604	112.3814	3740.26	1099.425	-136.621	107.3451	1098.5	1098.5	1070.026	1065.026	.77848	1.167719	1

22	25	364.4966	227.7709	3740.26	1102.498	-136.621	107.3451	1098.404	1098.404	1076.775	1071.775	3.266918	4.90038	1
22	26	980.1271	410.1208	3740.26	1103.976	-136.621	107.3451	1098.164	1098.164	1082.526	1077.436	8.995164	12.58395	0
22	27	1814.389	468.4832	3740.26	1104.562	-136.621	107.3451	1098.807	1098.807	1083.874	1076.151	21.15356	4.535226	0
22	28	1188.65	322.3478	3740.26	1104.522	-136.621	107.3451	1101.795	1101.795	1091.299	1078.275	23.4445	4.911584	0
22	29	478.2365	1367.748	3740.26	1103.789	-136.621	107.3451	1105.475	1105.475	1097.113	1082.36	14.63527	5.512886	0
	30	2614.109	1366.845	3740.26	1103.34	-136.621	107.3451	1107.89	1107.89	1097.927	1088.235	7.106286	5.427256	0
22	31	380.0383	1515.526	3740.26	1103.574	-136.621	107.3451	1105.864	1105.864	1097.172	1092.287	12.36865	19.6875	2
22	32	2997.037	1550.135	3740.26	1103.601	-136.621	107.3451	1109.316	1109.316	1098.748	1094.188	14.0531	56.47172	0
22	33	403.7971	347.6678	3740.26	1104.087	-136.621	107.3451	1112.653	1112.653	1098.732	1094.32	15.23553	36.9403	0
	34	283.4189	240.928	3740.26	1105.362	-136.621	107.3451	1117.962	1117.962	1090.262	1085.262	15.75049	23.62574	0
22	35	81.6134	64.44435	3740.26	1107.027	-136.621	107.3451	1124.089	1124.089	1084.712	1079.712	1.115619	1.673428	0
22	36	60.81799	50.00165	3740.26	1110.704	-136.621	107.3451	1130.357	1130.357	1087.51	1082.51	.1	.1	0
22	37	52.62403	50.90178	3740.26	1113.715	-23.35998	107.3451	1133.439	1133.439	1093.108	1088.108	.1	.1	0
22	38	78.56516	51.48354	3740.26	1117.432	-70.07994	107.3451	1136.74	1136.74	1097.594	1092.753	.1	.1	0
22	39	89.69954	51.95449	3740.26	1120.617	-70.07994	107.3451	1138.729	1138.729	1095.968	1092.408	.1	.1	0
22	40	136.4607	31.89197	5610.39	1123.26	-70.07994	161.0176	1137.267	1137.267	1100.572	1096.018	.1	.1	0
22	41	190.974	34.58503	7480.52	1126.898	-70.07994	214.6902	1138.335	1138.335	1101.885	1096.886	.5127192	2.545048	0
22	42	147.6878	34.64771	7480.52	1127.813	-70.07994	214.6902	1136.417	1136.417	1101.337	1096.337	.3952714	.5935202	0
22	43	148.8899	36.62231	7480.52	1124.593	-36.47998	214.6902	1127.946	1127.946	1102.032	1097.032	.934834	.934834	0
22	44	140.2589	35.98911	7480.52	1119.175	-27.35998	214.6902	1116.617	1116.617	1101.492	1096.492	.938721	.938721	0
22	45	176.5853	40.66793	7480.52	1122.209	-18.23998	214.6902	1122.982	1122.982	1102.371	1097.371	.939774	.901844	0
22	46	190.3778	47.30967	7480.52	1123.807	-18.23998	214.6902	1125.812	1125.812	1102.653	1097.653	.92858	4.023409	0
22	47	213.1773	53.49358	7480.52	1124.989	-18.23998	214.6902	1128.272	1128.272	1103.275	1098.275	.940054	5.822389	0
22	48	241.3428	57.52239	7480.52	1125.722	-18.23998	214.6902	1132.273	1132.273	1103.768	1098.926	.905864	9.157217	0
22	49	243.3938	53.96841	7480.52	1126.04	-18.23998	214.6902	1132.42	1132.42	1104.216	1099.374	.849693	9.678916	0
22	50	208.0236	47.67633	7480.52	1126.047	-35.03998	214.6902	1128.881	1128.881	1104.846	1099.846	.69689	7.008764	0
22	51	190.6938	39.60789	7480.52	1125.697	-35.03998	214.6902	1127.473	1127.473	1103.302	1098.315	.672808	5.092662	0
22	52	156.498	33.78325	7480.52	1124.588	-52.55998	214.6902	1125.87	1125.87	1101.354	1096.354	.649258	.639361	0
22	53	137.3208	32.8683	7480.52	1122.321	-105.1199	214.6902	1121.989	1121.989	1099.755	1094.755	.589237	.924057	0
22	54	128.2179	31.83018	7480.52	1120.124	-140.1599	214.6902	1120.589	1120.589	1098.22	1093.22	.567979	.567979	0
	55	125.9989	30.9786	7480.52	1116.723	-140.1599	214.6902	1121.599	1121.599	1096.661	1091.661	.575164	.575164	0
22	56	121.9251	29.88776	7480.52	1112.092	-140.1599	214.6902	1114.844	1114.844	1095.281	1090.281	.572738	.572738	0
	57	118.1923	29.36624	7480.52	1107.776	-140.1599	214.6902	1112.65	1112.65	1093.949	1088.949	.564126	.564126	0
	58	115.0492	30.43441	7480.52	1106.514	-140.1599	40000	1106.5	1105.5	1092.344	1087.344	.574992	.574992	12
22	59	124.9678	31.85564	7480.52	1120.736	-140.1599	214.6902	1121.65	1121.65	1090.756	1085.756	.44494	.44494	0
22	60	128.7373	32.71209	7480.52	1127.602	-105.1199	214.6902	1127.185	1127.185	1089.606	1084.606	.401959	.401959	0
	61	132.4136	33.32314	7480.52	1131.916	-70.07994	214.6902	1132.524	1132.524	1088.741	1083.741	.40298	.40298	0
22	62	133.3904	33.18026	7480.52	1132.719	-70.07994	214.6902	1136.932	1136.932	1087.856	1082.856	.403	.403	0
22	63	131.4454	32.29966	7480.52	1129.726	-70.07994	214.6902	1141.613	1141.613	1087.133	1082.133	.403	.403	0
	64	126.8097	31.68579	7480.52	1123.306	-36.47998	40000	1123.3	1122.3	1086.452	1081.452	.40299	.40299	20
23	1	18246.61	4469.057	7480.52	1112.404	-12.15999	40000	1113.2	1112.2	980.5364	975.5364	68.4	34.2	19
23	2	17096.55	4223.69	7480.52	1106.118	-12.15999	214.6902	1128.052	1128.052	982.3526	977.3526	68.4	34.2	0
	3	16146.21	3955.861	7480.52	1100.232	-12.15999	214.6902	1125.788	1125.788	983.2112	978.2112	68.68058	34.34029	0
	4	14821.55	3662.36	7480.52	1095.33	0	214.6902	1117.501	1117.501	988.1002	983.1002	68.93312	34.46656	0
23	5	13761.44	3472.383	7480.52	1091.308	0	214.6902	1111.635	1111.635	991.0402	986.0402	68.43618	34.21809	0
23	6	13223.68	3251.355	7480.52	1089.305	0	214.6902	1103.829	1103.829	995.306	990.306	70.49406	35.24703	0
	7	12255.75	3156.151	7480.52	1086.513	0	40000	1085.5	1084.5	999.7667	994.7667	68.87862	34.43931	16
23	8	12341.74	3133.144	7480.52	1086.058	0	40000	1085.5	1084.5	1001.843	996.843	74.0403	37.02015	16
23	9	11785.88	3154.921	7480.52	1085.58	0	40000	1085.4	1084.4	1004.862	999.8622	72.74896	36.37448	16
	10	12305.68	5096.754	7480.52	1085.566	-273.242	40000	1085.4	1085.4	1007.627	1002.627	80.88492	40.44246	16
23	11	25021.67	6949.747	7480.52	1085.615	-273.242	40000	1085.4	1084.4	1010.252	1005.252	177.4956	88.74782	16
23	12	26758.14	6890.352	7480.52	1085.639	-273.242	40000	1085.4	1084.4	1011.988	1006.988	182.7609	91.38046	16
	13	26104.33	6729.459	7480.52	1085.9	-273.242	214.6902	1089.357	1089.357	1013.609	1008.609	181.6	90.8	0
	14	26318.72	6643.837	7480.52	1086.228	-211.1998	214.6902	1097.93	1097.93	1015.626	1010.626	181.5686	90.7843	0
23	15	26428.23	6324.313	7480.52	1086.491	-211.1998	214.6902	1102.353	1102.353	1018.4	1013.4	187.5361	93.76804	0
23	16	22696.98	3925.754	7480.52	1086.665	-213.5998	214.6902	1099.165	1099.165	1021.255	1016.257	176.6157	88.30784	0
	17	6406.448	1476.035	7480.52	1086.891	-158.3998	214.6902	1098.421	1098.421	1028.42	1023.421	57.38334	57.38334	0
23	18	3892.545	1464.36	5610.39	1087.622	-204.9315	161.0176	1098.35	1098.35	1032.826	1027.826	36.6652	36.6652	0
23	19	777.0665	610.4042	3740.26	1088.18	-136.621	107.3451	1098.088	1098.088	1037.211	1032.211	11.87914	11.87914	0
	20	545.0475	490.2792	3740.26	1089.435	-136.621	107.3451	1098.975	1098.975	1042.019	1037.019	9.207368	9.207368	1

23	21	463.8098	408.4346	3740.26	1091.072	-136.621	107.3451	1102.297	1102.297	1047.627	1042.627	8.719975	8.719975	1
23	22	374.2259	230.2462	3740.26	1093.091	-136.621	107.3451	1099.54	1099.54	1054.623	1049.623	7.2766	7.2766	1
	23	131.8026	121.4717	3740.26	1096.628	-136.621	107.3451	1098.5	1098.5	1063.015	1058.015	1.627079	1.627079	1
23	24	237.3229	357.2756	3740.26	1102.007	-136.621	107.3451	1098.389	1098.389	1071.68	1066.68	2.693667	2.693667	1
23	25	944.317	1116.853	3740.26	1104.399	-136.621	107.3451	1101.431	1101.431	1079.213	1074.187	16.85757	21.21074	1
	26	3563.322	2384.395	3740.26	1105.257	-136.621	107.3451	1103.654	1103.654	1084.894	1079.774	63.1277	63.8369	0
	27	7015.83	2534.555	3740.26	1105.551	-136.621	107.3451	1104.969	1104.969	1085.689	1076.558	152.0531	5.29499	0
23	28	3754.845	1344.538	3740.26	1105.575	-136.621	107.3451	1104.95	1104.95	1091.308	1078.134	128.2119	6.53553	0
	29	1133.228	1724.598	3740.26	1105.309	-136.621	107.3451	1107.667	1107.667	1095.716	1083.448	62.5943	6.94381	0
	30	2746.293	1627.302	3740.26	1104.954	-136.621	107.3451	1107.859	1107.859	1096.861	1090.553	28.64136	6.89124	0
23	31	691.1415	1861.549	3740.26	1105.187	-136.621	107.3451	1107.509	1107.509	1098.486	1093.763	54.58906	26.16664	2
23	32	3163.972	1850.7	3740.26	1105.224	-136.621	107.3451	1111.217	1111.217	1100.952	1095.389	60.03102	78.6507	0
	33	501.6062	339.5481	3740.26	1105.55	-136.621	107.3451	1115.531	1115.531	1101.799	1096.538	19.39127	74.77974	0
	34	153.604	124.1043	3740.26	1106.657	-136.621	107.3451	1121.33	1121.33	1097.243	1092.268	8.905044	6.458304	0
23	35	89.4463	77.98704	3740.26	1109.332	-136.621	107.3451	1126.233	1126.233	1089.058	1084.058	1.459449	1.459449	0
	36	80.79512	63.44038	3740.26	1112.313	-23.35998	107.3451	1132.341	1132.341	1092.123	1087.123	.987138	.899469	0
	37	75.11779	80.28741	3740.26	1115.821	-23.35998	107.3451	1135.403	1135.403	1097.759	1092.801	.1142648	.77421	0
23	38	124.3962	116.7812	3740.26	1119.252	-70.07994	107.3451	1138.06	1138.06	1097.033	1092.655	.2814225	11.57707	0
23	39	140.6831	128.7188	3740.26	1122.175	-105.1199	107.3451	1138.541	1138.541	1098.313	1093.286	.5208045	13.203	0
	40	205.2097	61.33844	5610.39	1124.743	-105.1199	161.0176	1138.866	1138.866	1101.233	1096.526	.8308755	12.84948	0
23	41	242.2061	50.08042	7480.52	1128.644	-105.1199	214.6902	1138.807	1138.807	1103.968	1099.675	.9061103	10.02111	0
23	42	175.1616	39.49672	7480.52	1129.789	-105.1199	214.6902	1138.281	1138.281	1105.853	1100.853	.7322137	3.307381	0
	43	143.9949	35.66489	7480.52	1126.296	-36.47998	214.6902	1130.88	1130.88	1105.901	1100.901	.896829	.896829	0
	44	137.6501	43.22192	7480.52	1120.53	-27.35998	214.6902	1118.301	1118.301	1105.051	1100.051	.922565	.922565	0
23	45	205.9516	51.07282	7480.52	1123.506	-18.23998	214.6902	1124.171	1124.171	1104.592	1099.592	.918594	7.179063	0
23	46	203.6019	53.57911	7480.52	1125.056	-18.23998	214.6902	1126.688	1126.688	1104.224	1099.224	.850168	6.551132	0
	47	217.0441	60.13646	7480.52	1126.207	-18.23998	214.6902	1128.294	1128.294	1104.217	1099.308	.857495	9.063503	0
23	48	266.4261	63.66178	7480.52	1127.049	-18.23998	214.6902	1132.794	1132.794	1103.29	1098.784	.763381	13.01583	0
23	49	275.6287	58.88595	7480.52	1127.467	-18.23998	214.6902	1134.012	1134.012	1103.196	1098.74	.714366	13.51686	0
	50	249.2545	52.00303	7480.52	1127.572	-35.03998	214.6902	1132.223	1132.223	1104.55	1099.729	.649321	8.823138	0
	51	215.7581	47.19007	7480.52	1127.014	-35.03998	214.6902	1129.125	1129.125	1103.114	1098.203	.618191	7.203956	0
	52	181.1383	39.67146	7480.52	1124.956	-52.55998	214.6902	1123.61	1123.61	1101.854	1096.854	.584781	5.066176	0
	53	142.746	33.51637	7480.52	1122.198	-105.1199	214.6902	1120.846	1120.846	1100.03	1095.03	.580612	1.575463	0
	54	128.046	31.72402	7480.52	1119.476	-140.1599	214.6902	1118.563	1118.563	1098.277	1093.277	.571481	.571481	0
23	55	126.1722	31.0024	7480.52	1116.585	-140.1599	214.6902	1116.465	1116.465	1096.787	1091.787	.575056	.575056	0
23	56	121.9173	30.14159	7480.52	1111.883	-72.9599	214.6902	1111.392	1111.392	1094.476	1089.476	.575	.575	0
	57	119.0946	28.94414	7480.52	1109.474	-72.9599	214.6902	1110.632	1110.632	1093.076	1088.076	.541934	.541934	0
23	58	112.5286	29.56985	7480.52	1107.016	-140.1599	40000	1107	1106	1091.597	1086.597	.426024	.426024	12
23	59	123.2214	31.57063	7480.52	1119.931	-105.1199	214.6902	1122.987	1122.987	1090.317	1085.317	.424066	.424066	0
	60	128.5143	32.57562	7480.52	1126.939	-70.07994	214.6902	1128.572	1128.572	1089.32	1084.32	.403126	.403126	0
	61	131.8341	33.12784	7480.52	1130.902	-70.07994	214.6902	1132.621	1132.621	1088.612	1083.612	.402987	.402987	0
23	62	132.8325	33.02866	7480.52	1131.649	-70.07994	214.6902	1137.563	1137.563	1087.712	1082.712	.403126	.403126	0
	63	131.1963	32.2641	7480.52	1129.059	-70.07994	214.6902	1141.963	1141.963	1087.009	1082.009	.403764	.403764	0
	64	127.223	31.71906	7480.52	1123.406	-36.47998	40000	1123.4	1122.4	1086.316	1081.316	.402994	.402994	20
24	1	17838.04	4366.731	7480.52	1109.9	-12.15999	40000	1111.6	1110.6	980.715	975.715	68.4	34.2	19
24	2	16621.23	4087	7480.52	1103.212	-12.15999	214.6902	1128.413	1128.413	982.7499	977.7499	68.4	34.2	0
	3	15527.03	3786.079	7480.52	1096.722	-12.15999	214.6902	1128.002	1128.002	983.9051	978.9051	68.4	34.2	0
24	4	14126.9	3483.386	7480.52	1091.495	0	214.6902	1108.775	1108.775	988.649	983.649	68.4	34.2	0
24	5	13293.02	3273.896	7480.52	1087.046	0	40000	1085.6	1084.6	991.9764	986.9764	68.4146	34.2073	16
	6	12718.68	3118.501	7480.52	1086.391	0	40000	1085.6	1085.6	995.8168	990.8168	68.4	34.2	16
	7	12141.88	2993.22	7480.52	1085.829	-273.242	40000	1085.5	1084.5	1000.001	995.0013	68.51696	34.25848	16
24	8	11771.14	2898.76	7480.52	1085.709	-273.242	40000	1085.5	1084.5	1002.482	997.4815	68.4	34.2	16
	9	11348.49	2867.968	7480.52	1085.554	-211.1998	40000	1085.4	1084.4	1005.736	1000.736	68.91478	34.45739	16
	10	11220.27	4235.082	7480.52	1085.575	-211.1998	40000	1085.4	1084.4	1008.708	1003.708	72.31274	36.15637	16
24	11	21561.98	5995.206	7480.52	1085.894	-211.1998	214.6902	1086.651	1086.651	1011.66	1006.66	145.1773	72.58866	0
	12	22802.44	6325.267	7480.52	1085.996	-273.242	214.6902	1088.082	1088.082	1013.603	1008.603	170.6254	85.31268	0
	13	22160.94	6376.302	7480.52	1086.23	-273.242	214.6902	1098.536	1098.536	1015.73	1010.73	170.677	85.3385	0
24	14	24202.62	6542.9	7480.52	1086.521	-273.242	214.6902	1103.547	1103.547	1017.858	1012.858	182.4236	91.2118	0
24	15	24316.4	5956.99	7480.52	1086.766	-273.242	214.6902	1103.371	1103.371	1018.803	1013.803	186.2693	93.13464	0
	16	20393.13	3350.103	7480.52	1086.972	-273.242	214.6902	1101.061	1101.061	1021.756	1016.758	157.0905	78.54526	0

24	17	5005.588	1423.092	7480.52	1087.321	-211.1998	214.6902	1100.486	1100.486	1030.561	1025.556	43.6366	43.6366	0
24	18	3961.197	1907.736	5610.39	1088.331	-204.9315	161.0176	1099.29	1099.29	1035.427	1030.427	50.54096	50.54096	0
24	19	754.0071	711.7098	3740.26	1088.984	-136.621	107.3451	1098.5	1098.5	1040.146	1035.146	15.16246	15.16246	1
24	20	468.5179	518.5781	3740.26	1090.509	0	107.3451	1098.412	1098.412	1044.872	1039.872	10.5169	10.5169	1
24	21	437.0368	429.6011	3740.26	1092.611	0	107.3451	1098.553	1098.553	1050.076	1045.076	9.003888	9.003888	1
	22	362.9677	275.7823	3740.26	1095.063	0	107.3451	1098.517	1098.517	1056.968	1051.968	8.16988	8.16988	1
	23	195.7501	247.6538	3740.26	1098.967	0	107.3451	1098.418	1098.418	1065.85	1060.85	3.07075	3.07075	1
24	24	394.8578	824.3643	3740.26	1103.371	0	107.3451	1099.225	1099.225	1074.673	1069.673	8.66966	8.66966	1
24	25	1518.282	3390.786	3740.26	1105.225	-136.621	107.3451	1106.819	1106.819	1082.96	1077.942	44.48272	55.19834	1
24	26	5384.449	8194.757	3740.26	1105.702	-136.621	107.3451	1109.635	1109.635	1084.615	1080.618	255.63	9.016064	0
24	27	10734.35	8236.12	3740.26	1105.893	-136.621	107.3451	1110.675	1110.675	1087.044	1077.082	574.5206	5.77039	0
24	28	6321.906	3543.535	3740.26	1106.006	-136.621	107.3451	1108.766	1108.766	1089.723	1076.961	333.5466	6.55195	0
24	29	1961.147	2154.924	3740.26	1106.083	-136.621	107.3451	1111.514	1111.514	1096.229	1084.925	143.8871	6.55627	0
24	30	2829.093	1810.132	3740.26	1106.086	-136.621	107.3451	1108.085	1108.085	1102.09	1094.336	60.4154	6.56122	0
24	31	917.5469	1993.565	3740.26	1106.386	-136.621	107.3451	1111.271	1111.271	1099.77	1094.5	100.1669	25.9752	2
24	32	3208.878	1814.879	3740.26	1106.562	-136.621	107.3451	1112.976	1112.976	1105.018	1100.13	99.06108	91.31214	0
24	33	556.687	315.662	3740.26	1106.929	-136.621	107.3451	1118.667	1118.667	1103.101	1098.765	30.63158	74.35506	0
24	34	230.4588	118.946	3740.26	1108.461	-136.621	107.3451	1125.337	1125.337	1101.716	1096.685	8.758194	6.839634	0
24	35	164.6735	92.25439	3740.26	1111.035	-136.621	107.3451	1131.063	1131.063	1095.778	1090.76	2.510109	1.657935	0
24	36	149.5651	92.47253	3740.26	1113.367	-23.35998	107.3451	1135.432	1135.432	1099.194	1094.148	1.232123	4.536045	0
24	37	125.6564	119.2266	3740.26	1116.296	-23.35998	107.3451	1138.188	1138.188	1098.649	1094.3	.1380997	10.07376	0
24	38	165.6136	148.2981	3740.26	1119.323	-70.07994	107.3451	1143.515	1143.515	1100.166	1093.484	.280083	13.26166	0
24	39	102.8443	148.7707	3740.26	1122.517	-136.621	107.3451	1141.758	1141.758	1101.63	1094.378	.440523	13.125	0
24	40	147.6288	67.61633	5610.39	1125.666	-204.9315	161.0176	1142.473	1142.473	1102.99	1097	.6871358	13.125	0
24	41	180.1764	54.26151	7480.52	1130.341	-273.242	214.6902	1142.927	1142.927	1103.149	1098.974	.7728975	13.25267	0
24	42	194.4629	40.29243	7480.52	1131.972	-273.242	214.6902	1137.891	1137.891	1109.637	1104.837	.6479977	5.13599	0
24	43	138.0109	34.74638	7480.52	1128.275	-70.07994	214.6902	1134.387	1134.387	1109.019	1104.019	.82611	.698847	0
24	44	134.7654	42.67851	7480.52	1122.76	-27.35998	214.6902	1121.812	1121.812	1107.145	1102.145	.848779	.848779	0
24	45	193.6538	51.31556	7480.52	1124.769	-18.23998	214.6902	1128.071	1128.071	1105.715	1100.715	.784855	7.372312	0
24	46	210.4334	51.5824	7480.52	1126.219	-18.23998	214.6902	1128.125	1128.125	1104.883	1099.929	.700081	7.583728	0
24	47	226.682	60.73108	7480.52	1127.37	-18.23998	214.6902	1128.838	1128.838	1104.978	1099.935	.617929	7.774852	0
	48	296.3	71.8519	7480.52	1128.271	-35.03998	214.6902	1132.786	1132.786	1103.324	1098.256	.629282	14.55276	0
24	49	314.4726	72.33485	7480.52	1128.734	-35.03998	214.6902	1133.83	1133.83	1102.663	1097.669	.610761	16.43558	0
24	50	292.3255	64.25012	7480.52	1128.844	-35.03998	214.6902	1134.049	1134.049	1101.929	1097.258	.586752	16.22832	0
24	51	237.1345	52.03402	7480.52	1128.331	-35.03998	214.6902	1131.511	1131.511	1102.325	1097.517	.587123	10.48849	0
24	52	172.3627	41.29963	7480.52	1126.649	-52.55998	214.6902	1127.858	1127.858	1102.23	1097.23	.574931	5.739734	0
24	53	145.5853	34.18165	7480.52	1123.249	-105.1199	214.6902	1121.626	1121.626	1099.944	1094.944	.575	1.980488	0
24	54	129.4981	31.83055	7480.52	1119.269	-140.1599	214.6902	1117.161	1117.161	1097.861	1092.861	.575	.575	0
24	55	126.1563	31.01999	7480.52	1115.969	-140.1599	214.6902	1115.444	1115.444	1095.002	1090.002	.57522	.57522	0
24	56	120.8408	30.11139	7480.52	1111.341	-72.9599	214.6902	1109.878	1109.878	1093.816	1088.816	.567885	.567885	0
24	57	118.4759	28.96166	7480.52	1110.534	-72.9599	214.6902	1110.803	1110.803	1092.55	1087.55	.514143	.514143	0
24	58	112.9994	29.36765	7480.52	1108.013	-105.1199	40000	1108	1107	1091.475	1086.475	.403215	.403215	12
24	59	122.6289	31.36329	7480.52	1119.565	-70.07994	214.6902	1124.767	1124.767	1090.12	1085.12	.405034	.405034	0
24	60	128.5127	32.51146	7480.52	1126.447	-70.07994	214.6902	1130.48	1130.48	1089.155	1084.155	.405633	.405633	0
24	61	131.7098	33.03881	7480.52	1130.144	-70.07994	214.6902	1135.696	1135.696	1088.38	1083.38	.404376	.404376	0
24	62	132.6478	32.97854	7480.52	1130.877	-70.07994	214.6902	1139.919	1139.919	1087.557	1082.557	.405633	.405633	0
24	63	131.1812	32.34072	7480.52	1128.596	-70.07994	214.6902	1144.218	1144.218	1086.871	1081.871	.406336	.406336	0
24	64	127.6539	31.89244	7480.52	1123.506	-70.07994	40000	1123.5	1122.5	1086.262	1081.262	.409996	.409996	20
25	1	17379.42	4248.086	7480.52	1106.733	-12.15999	40000	1107.5	1106.5	980.8395	975.8395	68.4	34.2	19
25	2	16146.41	3950.065	7480.52	1100.061	-12.15999	214.6902	1126.365	1126.365	983.2477	978.2477	68.4	34.2	0
25	3	14878.38	3627.403	7480.52	1092.638	-12.15999	214.6902	1126.426	1126.426	984.5205	979.5205	68.60844	34.30422	0
25	4	13679.78	3371.594	7480.52	1087.169	0	40000	1085.6	1084.6	989.2427	984.2427	68.4	34.2	16
25	5	13139.8	3229.03	7480.52	1085.982	0	40000	1085.6	1084.6	992.5301	987.5301	68.41318	34.20659	16
25	6	12631.18	3096.639	7480.52	1085.815	0	40000	1085.6	1084.6	996.2476	991.2476	68.4	34.2	16
25	7	12117.3	2985.035	7480.52	1086.085	-211.1998	214.6902	1085.867	1085.867	1000.519	995.5189	68.50702	34.25351	0
25	8	11759.26	2881.147	7480.52	1086.035	-211.1998	214.6902	1087.333	1087.333	1003.015	998.0146	68.4	34.2	0
	9	11314.21	2774.223	7480.52	1086.004	-273.242	214.6902	1087.293	1087.293	1006.526	1001.526	68.50986	34.25493	0
25	10	10862.87	3960.481	7480.52	1086.074	-211.1998	214.6902	1088.365	1088.365	1009.639	1004.639	68.67006	34.33503	0
25	11	20727.71	5095.898	7480.52	1086.244	-211.1998	214.6902	1088.606	1088.606	1013.081	1008.081	136.9222	68.4611	0
25	12	19870.69	4915.579	7480.52	1086.366	-273.242	214.6902	1095.277	1095.277	1015.783	1010.783	136.2954	68.14768	0

25	13	19491.04	5214.588	7480.52	1086.591	-273.242	214.6902	1102.992	1102.992	1017.816	1012.816	135.2187	67.60936	0
2	14	20887.64	5586.853	7480.52	1086.84	-273.242	214.6902	1104.574	1104.574	1018.726	1013.726	157.989	78.99452	0
2	15	20517.5	5220.39	7480.52	1087.07	-273.242	214.6902	1102.396	1102.396	1019.215	1014.215	158.147	79.0735	0
25	16	16870.34	2999.575	7480.52	1087.305	-273.242	214.6902	1101.661	1101.661	1023.298	1018.298	145.6914	72.84572	0
1	17	3904.19	1148.704	7480.52	1087.776	-211.1998	214.6902	1105.523	1105.523	1033.337	1028.337	37.68942	37.68942	0
	18	3121.178	1487.069	5610.39	1089.025	-204.9315	161.0176	1102.676	1102.676	1038.776	1033.776	41.31652	41.31652	0
	19	623.3336	510.8152	3740.26	1089.845	-136.621	107.3451	1101.864	1101.864	1043.973	1038.973	12.13476	12.13476	1
2	20	343.5605	386.9767	3740.26	1091.75	0	107.3451	1099.826	1099.826	1049.253	1044.253	6.906472	6.906472	1
1	21	400.9213	370.4034	3740.26	1094.328	0	107.3451	1101.328	1101.328	1055.122	1050.122	8.807536	4.403768	1
2	22	363.5668	282.9355	3740.26	1097.035	0	107.3451	1100.481	1100.481	1061.867	1056.867	7.759144	3.879572	1
25	23	237.0724	342.9541	3740.26	1100.776	0	107.3451	1100.343	1100.343	1069.754	1064.754	5.64819	2.824096	1
1	24	428.3638	1088.775	3740.26	1104.219	0	107.3451	1101.662	1101.662	1078.339	1073.339	13.2435	13.2435	1
1	25	1520.114	3511.945	3740.26	1105.604	-136.621	107.3451	1107.675	1107.675	1087.155	1082.168	70.12076	77.11986	1
25	26	4038.845	7924.038	3740.26	1105.996	-136.621	107.3451	1110.544	1110.544	1090.927	1084.8	343.6922	12.95325	0
-	27	7589.099	8820.132	3740.26	1106.175	-136.621	107.3451	1115.025	1115.025	1092.306	1080.945	752.7256	6.91086	0
1	28	5523.256	4739.519	3740.26	1106.352	-136.621	107.3451	1119.007	1119.007	1091.874	1077.862	481.2206	6.5625	0
25	29	2046.15	2635.317	3740.26	1106.612	-136.621	107.3451	1116.92	1116.92	1096.689	1083.586	227.7306	6.5625	0
25	30	2938.987	1936.508	3740.26	1106.953	-136.621	107.3451	1111.686	1111.686	1103.471	1094.504	98.10774	6.5625	2
1	31	981.6354	2132.86	3740.26	1107.39	-136.621	107.3451	1114.487	1114.487	1102.337	1096.496	156.7992	25.86544	0
2	32	3308.9	1950.686	3740.26	1107.751	-136.621	107.3451	1114.794	1114.794	1107.517	1102.604	153.229	136.9739	0
25	33	763.7878	471.4838	3740.26	1108.263	-136.621	107.3451	1120.926	1120.926	1103.612	1099.461	43.02816	90.54402	0
	34	538.7733	276.1863	3740.26	1109.848	-136.621	107.3451	1127.712	1127.712	1102.325	1097.724	17.79869	29.25742	0
1	35	373.2638	221.9842	3740.26	1111.69	-136.621	107.3451	1134.909	1134.909	1099.073	1094.625	4.923753	27.6577	0
25	36	325.9319	182.749	3740.26	1113.415	-23.35998	107.3451	1138.375	1138.375	1101.169	1095.792	.3483651	28.98589	0
2	37	183.7269	172.0434	3740.26	1115.686	-23.35998	107.3451	1140.703	1140.703	1102.569	1094.822	.2060055	13.40572	0
1	38	212.3148	120.1598	3740.26	1118.284	-70.07994	107.3451	1144.138	1144.138	1104.775	1094.486	.2917942	13.125	0
2	39	52.1174	52.49281	3740.26	1121.729	-136.621	107.3451	1144.041	1144.041	1104.87	1095.702	.1	.1	0
25	40	79.61198	26.63738	5610.39	1126.603	-204.9315	161.0176	1145.592	1145.592	1104.206	1098.456	.1	.1	0
	41	108.2621	39.39832	7480.52	1132.372	-273.242	214.6902	1145.83	1145.83	1104.932	1100.238	.1	.1	0
	42	193.4518	42.82602	7480.52	1133.756	-273.242	214.6902	1140.55	1140.55	1112.75	1108.537	.5460683	9.559725	0
-	43	133.6068	33.44771	7480.52	1130.141	-70.07994	214.6902	1137.151	1137.151	1111.745	1106.745	.730455	.424801	0
	44	131.6289	39.42631	7480.52	1124.284	-27.35998	214.6902	1122.171	1122.171	1108.333	1103.333	.732991	.72531	0
	45	179.7919	49.70625	7480.52	1126.076	-18.23998	214.6902	1129.019	1129.019	1105.638	1100.638	.616217	5.631596	0
25	46	216.0406	57.69644	7480.52	1127.328	-18.23998	214.6902	1129.484	1129.484	1104.238	1099.506	.561922	9.354377	0
25	47	255.6976	70.01441	7480.52	1128.421	-18.23998	214.6902	1130.338	1130.338	1103.294	1098.489	.504951	12.58596	0
	48	319.454	80.84126	7480.52	1129.322	-35.03998	214.6902	1132.756	1132.756	1103.332	1097.503	.529773	15.98258	0
2	49	332.4249	79.36467	7480.52	1129.812	-35.03998	214.6902	1134.416	1134.416	1102.854	1097.029	.550416	17.5	0
25	50	297.0435	68.11488	7480.52	1129.949	-35.03998	214.6902	1134.478	1134.478	1101.756	1096.92	.56941	17.59607	0
	51	242.8881	50.34029	7480.52	1129.611	-35.03998	214.6902	1134.811	1134.811	1101.81	1097.094	.575638	11.82342	0
	52	170.9158	38.18739	7480.52	1128.428	-52.55998	214.6902	1134.781	1134.781	1102.061	1097.061	.574924	2.972372	0
25	53	147.4441	34.5892	7480.52	1125.92	-105.1199	214.6902	1126.12	1126.12	1099.576	1094.576	.575	1.706985	0
-	54	132.0602	32.08303	7480.52	1121.236	-140.1599	214.6902	1119.886	1119.886	1097.324	1092.324	.575	.575	0
1	55	127.6368	30.72927	7480.52	1115.439	-140.1599	214.6902	1112.276	1112.276	1094.997	1089.997	.574654	.574654	0
25	56	119.5043	29.71777	7480.52	1111.804	-72.9599	214.6902	1109.976	1109.976	1093.591	1088.591	.516677	.516677	0
25	57	117.1323	28.90717	7480.52	1111.394	-54.71994	214.6902	1111.143	1111.143	1092.426	1087.426	.463692	.463692	0
	58	114.041	29.53944	7480.52	1109.011	-70.07994	40000	1109	1108	1091.29	1086.29	.406416	.406416	12
2	59	123.0227	31.42213	7480.52	1119.632	-70.07994	214.6902	1125.8	1125.8	1089.948	1084.948	.408357	.408357	0
25	60	128.5943	32.54417	7480.52	1126.153	-70.07994	214.6902	1132.133	1132.133	1088.973	1083.973	.409016	.409016	0
	61	131.6394	33.05059	7480.52	1129.583	-70.07994	214.6902	1138.116	1138.116	1088.192	1083.192	.410027	.410027	0
	62	132.4993	32.97872	7480.52	1130.326	-70.07994	214.6902	1142.69	1142.69	1087.368	1082.368	.409016	.409016	0
25	63	131.0843	32.36804	7480.52	1128.279	-70.07994	214.6902	1146.777	1146.777	1086.821	1081.821	.409435	.409435	0
-	64	127.4355	31.93449	7480.52	1123.605	-70.07994	40000	1123.6	1122.6	1086.048	1081.048	.41001	.41001	20
	1	17093.06	4133.371	7480.52	1103.348	0	40000	1105	1104	980.894	975.894	68.4141	34.20705	19
26	2	15974.46	3806.132	7480.52	1096.878	0	214.6902	1119.602	1119.602	983.6634	978.6634	68.57918	34.28959	0
26	3	14531.84	3512.137	7480.52	1087.737	0	40000	1085.6	1084.6	985.1224	980.1224	68.8654	34.4327	16
	4	13983.15	3333.302	7480.52	1086.13	-160.1998	40000	1085.6	1084.6	989.8233	984.8233	68.4	34.2	16
	5	13115.72	3213.716	7480.52	1085.804	-160.1998	40000	1085.6	1084.6	992.9983	987.9983	68.42996	34.21498	16
26	6	13052.43	3090.479	7480.52	1085.808	-160.1998	40000	1085.6	1084.6	996.5162	991.5162	68.4	34.2	16
	7	46683.69	2984.104	7480.52	1086.408	-160.1998	214.6902	1089.064	1089.064	1000.955	995.9545	68.52638	34.26319	0
	8	12093.88	2887.221	7480.52	1086.338	-160.1998	214.6902	1090.634	1090.634	1003.288	998.2878	68.4	34.2	0

26	9	11335	2770.047	7480.52	1086.407	-160.1998	214.6902	1091.553	1091.553	1006.853	1001.853	68.71576	34.35788	0
2	10	11050.98	3937.163	7480.52	1086.526	-160.1998	214.6902	1093.891	1093.891	1010.418	1005.418	68.45928	34.22964	0
2	11	15537.94	5053.7	7480.52	1086.599	-160.1998	214.6902	1095.731	1095.731	1013.941	1008.941	137.1142	68.55712	0
26	12	14909.44	4924.854	7480.52	1086.752	-160.1998	214.6902	1102.785	1102.785	1017.955	1012.955	138.099	69.0495	0
2	13	14933.5	4880.082	7480.52	1086.976	-160.1998	214.6902	1105.61	1105.61	1019.812	1014.812	140.5129	70.25644	0
	14	14705.51	4764.433	7480.52	1087.197	-240.2998	214.6902	1106.722	1106.722	1020.375	1015.375	139.4423	69.72114	0
	15	13999.33	4126.572	7480.52	1087.419	-237.5998	214.6902	1105.393	1105.393	1021.534	1016.534	136.3717	68.18584	0
26	16	10538.28	2194.058	7480.52	1087.679	-178.1998	214.6902	1106.881	1106.881	1026.677	1021.677	112.0229	56.01146	0
2	17	2429.426	867.7365	7480.52	1088.299	-118.7999	214.6902	1103.669	1103.669	1036.99	1031.99	28.28076	28.28076	0
2	18	2097.34	1217.05	5610.39	1089.91	-118.7999	161.0176	1100.68	1100.68	1042.741	1037.741	34.59908	34.59908	0
26	19	591.3322	456.0789	3740.26	1091.06	-118.7999	107.3451	1102.411	1102.411	1048.615	1043.615	11.65948	11.65948	1
2	20	354.8196	357.5051	3740.26	1093.37	0	107.3451	1103.207	1103.207	1054.635	1049.635	6.415412	6.415412	0
2	21	441.3073	394.0847	3740.26	1096.189	0	107.3451	1104.717	1104.717	1060.808	1055.808	9.332228	4.666114	0
26	22	499.8923	317.7036	3740.26	1098.853	0	107.3451	1106.132	1106.132	1067.564	1062.564	10.39	5.195	0
26	23	275.8842	322.4821	3740.26	1101.956	0	107.3451	1105.971	1105.971	1074.247	1069.247	6.55302	3.27651	0
2	24	407.6345	859.7021	3740.26	1104.885	0	107.3451	1107.142	1107.142	1081.92	1076.92	12.79095	12.79095	0
2	25	1161.842	2047.013	3740.26	1105.992	-118.7999	107.3451	1110.185	1110.185	1090.089	1085.197	58.3659	69.8286	0
26	26	2498.884	3703.905	3740.26	1106.364	-118.7999	107.3451	1116.027	1116.027	1092.584	1085.179	193.4887	9.09932	0
2	27	3875.92	4292.223	3740.26	1106.549	-118.7999	107.3451	1121.817	1121.817	1096.271	1082.832	438.2058	6.5625	0
2	28	3205.231	2829.887	3740.26	1106.791	-118.7999	107.3451	1123.566	1123.566	1097.986	1081.026	432.3232	6.5625	0
26	29	1445.463	2349.82	3740.26	1107.233	-118.7999	107.3451	1121.075	1121.075	1101.148	1084.244	255.1764	6.5625	0
2	30	3045.633	1984.115	3740.26	1107.765	-118.7999	107.3451	1111.99	1111.99	1103.964	1092.136	120.5842	6.5625	0
2	31	867.688	2157.676	3740.26	1108.296	-118.7999	107.3451	1111.884	1111.884	1104.42	1098.262	198.3606	25.78286	0
26	32	3459.734	2122.002	3740.26	1108.801	-136.621	107.3451	1113.766	1113.766	1105.7	1101.834	142.6534	87.45528	0
26	33	1095.21	831.0774	3740.26	1109.393	-136.621	107.3451	1118.586	1118.586	1104.158	1098.896	60.00846	102.5266	0
2	34	813.7485	635.8508	3740.26	1110.634	-136.621	107.3451	1128.247	1128.247	1101.169	1095.667	26.31302	83.8485	0
2	35	571.8362	477.2114	3740.26	1111.956	-136.621	107.3451	1140.142	1140.142	1102.005	1094.834	8.833839	52.30437	0
26	36	599.205	326.9098	3740.26	1113.272	-13.13999	107.3451	1142.654	1142.654	1105.023	1095.126	.3622206	39.39288	0
2	37	279.5435	223.9983	3740.26	1114.978	-13.13999	107.3451	1143.474	1143.474	1107.785	1095.575	.259158	13.125	0
2	38	287.4861	144.2724	3740.26	1117.303	-39.41997	107.3451	1146.183	1146.183	1109.701	1095.638	.309114	13.125	0
2	39	52.14754	52.69926	3740.26	1120.602	-136.621	107.3451	1147.338	1147.338	1107.191	1097.08	.1	.1	0
	40	79.91434	26.96546	5610.39	1127.056	-204.9315	161.0176	1148.365	1148.365	1106.13	1101.433	.1	.1	0
2	41	109.1275	36.03013	7480.52	1134.149	-273.242	214.6902	1145.839	1145.839	1111.61	1107.154	.1	.1	0
2	42	156.1826	38.93862	7480.52	1135.222	-273.242	214.6902	1143.005	1143.005	1117.471	1113.263	.442767	6.768082	0
26	43	130.6389	32.86123	7480.52	1131.852	-70.07994	214.6902	1137.459	1137.459	1112.571	1107.571	.608532	.50301	0
2	44	146.3606	38.42891	7480.52	1127.06	-52.55998	214.6902	1125.907	1125.907	1107.755	1102.755	.587083	.579653	0
2	45	160.1872	49.25189	7480.52	1127.429	-18.23998	214.6902	1129.368	1129.368	1105.705	1100.705	.552251	5.191962	0
26	46	202.8668	60.23813	7480.52	1128.319	-18.23998	214.6902	1129.699	1129.699	1103.297	1098.839	.440487	10.61537	0
2	47	247.0251	73.77351	7480.52	1129.28	-18.23998	214.6902	1130.859	1130.859	1101.329	1097.184	.399157	17.24559	0
2	48	305.9576	82.12848	7480.52	1130.26	-35.03998	214.6902	1132.746	1132.746	1102.764	1097.047	.466	17.5	0
26	49	318.0943	78.00244	7480.52	1130.811	-35.03998	214.6902	1134.87	1134.87	1102.878	1097.061	.511421	17.5	0
26	50	282.3101	66.86803	7480.52	1131.03	-35.03998	214.6902	1138.309	1138.309	1101.548	1097.036	.562908	17.67801	0
2	51	242.8556	53.11067	7480.52	1130.866	-35.03998	214.6902	1137.886	1137.886	1101.682	1097.128	.572965	12.036	0
2	52	186.4195	41.40258	7480.52	1130.128	-52.55998	214.6902	1138.614	1138.614	1102.224	1097.224	.575	5.049415	0
26	53	150.8206	35.28688	7480.52	1128.294	-105.1199	214.6902	1130.206	1130.206	1099.646	1094.646	.572033	1.767282	0
	54	132.5584	32.84123	7480.52	1124.482	-140.1599	214.6902	1124.41	1124.41	1097.474	1092.474	.556991	.556991	0
2	55	125.9879	31.05602	7480.52	1118.554	-140.1599	214.6902	1117.352	1117.352	1094.999	1089.999	.574943	.574943	0
26	56	119.5357	29.44139	7480.52	1114.111	-105.1199	214.6902	1112.685	1112.685	1093.792	1088.792	.452635	.452635	0
2	57	117.1108	28.88616	7480.52	1112.742	-70.07994	214.6902	1112.274	1112.274	1092.533	1087.533	.415598	.415598	0
2	58	115.9535	29.72649	7480.52	1110.019	-70.07994	40000	1110	1109	1091.111	1086.111	.410013	.410013	12
26	59	123.5142	31.48213	7480.52	1120.015	-70.07994	214.6902	1125.774	1125.774	1089.903	1084.903	.40985	.40985	0
26	60	128.6084	32.51426	7480.52	1126.042	-70.07994	214.6902	1132.636	1132.636	1088.865	1083.865	.410121	.410121	0
	61	131.4696	32.98407	7480.52	1129.15	-36.47998	214.6902	1140.369	1140.369	1088.011	1083.011	.410009	.410009	0
2	62	132.1595	32.91718	7480.52	1129.941	-70.07994	214.6902	1144.542	1144.542	1087.463	1082.463	.410121	.410121	0
26	63	130.782	32.26192	7480.52	1128.068	-70.07994	214.6902	1148.67	1148.67	1087.156	1082.156	.410121	.410121	0
	64	127.2338	31.78328	7480.52	1123.606	-70.07994	40000	1123.6	1122.6	1087.56	1082.56	.410003	.410003	20
	1	17948.26	4133.51	7480.52	1099.13	0	40000	1099.3	1098.3	981.0725	976.0725	70.4701	35.23505	19
27	2	16875.77	3820.444	7480.52	1094.164	0	214.6902	1109.059	1109.059	984.0547	979.0547	70.9438	35.4719	0
27	3	15551.06	3616.611	7480.52	1086.598	0	40000	1085.6	1084.6	985.811	980.811	70.1202	35.0601	16
	4	15083.53	3441.416	7480.52	1086.289	-118.7999	214.6902	1091.688	1091.688	990.3234	985.3234	72.84018	36.42009	0

27	5	14245.51	3328.323	7480.52	1086.153	-118.7999	214.6902	1085.532	1085.532	993.2267	988.2267	68.53628	34.26814	0
	6	14129.05	11843.55	7480.52	1086.286	-118.7999	214.6902	1089.373	1089.373	996.8493	991.8493	73.07748	36.53874	0
	7	88073.88	11710.29	7480.52	1086.533	-160.1998	214.6902	1093.443	1093.443	.073	995.273	68.94596	34.47298	0
27	8	13078.71	2970	7480.52	1086.587	-160.1998	214.6902	1094.678	1094.678	1003.524	998.5244	72.27552	36.13776	0
27	9	12227.39	2826.449	7480.52	1086.782	-160.1998	214.6902	1098.586	1098.586	1007.712	1002.712	69.10386	34.55193	0
	10	11970.97	2710.067	7480.52	1086.96	-160.1998	214.6902	1100.195	1100.195	1011.272	1006.272	71.72786	35.86393	0
	11	11376.58	2558.145	7480.52	1087.033	-160.1998	214.6902	1104.714	1104.714	1015.093	1010.093	69.44848	34.72424	0
27	12	11282.88	2535.882	7480.52	1087.233	-160.1998	214.6902	1107.144	1107.144	1019.456	1014.456	71.13064	35.56532	0
	13	11319.37	2529.671	7480.52	1087.47	-240.2998	214.6902	1108.47	1108.47	1021.291	1016.291	73.95812	36.97906	0
	14	10933.02	2411.779	7480.52	1087.688	-237.5998	214.6902	1109.921	1109.921	1022.73	1017.73	73.72388	36.86194	0
27	15	9909.182	2007.833	7480.52	1087.912	-237.5998	214.6902	1109.933	1109.933	1025.165	1020.165	70.60884	35.30442	0
27	16	7299.324	1047.87	7480.52	1088.233	-178.1998	214.6902	1111.692	1111.692	1031.087	1026.087	56.26126	28.13063	0
	17	1769.609	438.7335	7480.52	1089.077	-118.7999	214.6902	1106.818	1106.818	1041.386	1036.386	14.49526	14.49526	0
27	18	1618.486	772.5093	5610.39	1091.167	-118.7999	161.0176	1103.489	1103.489	1047.407	1042.407	18.78153	18.78153	0
27	19	689.8887	490.0729	3740.26	1092.729	-118.7999	107.3451	1104.658	1104.658	1053.754	1048.754	12.5356	12.5356	0
	20	479.054	438.6218	3740.26	1095.067	0	107.3451	1106.373	1106.373	1060.325	1055.325	8.762016	8.762016	0
	21	462.0563	547.1149	3740.26	1097.785	0	107.3451	1108.366	1108.366	1066.961	1061.961	13.37192	6.685962	0
27	22	542.248	458.0728	3740.26	1100.305	0	107.3451	1108.731	1108.731	1073.487	1068.487	19.18677	9.593386	0
	23	568.5479	361.0366	3740.26	1103.121	0	107.3451	1114.362	1114.362	1079.01	1074.01	9.959284	4.979642	0
	24	1031.886	709.7744	3740.26	1105.575	0	107.3451	1111.672	1111.672	1085.138	1080.138	14.38964	14.38964	0
27	25	2093.688	1613.713	3740.26	1106.57	-136.621	107.3451	1110.165	1110.165	1091.062	1086.305	47.35438	47.49808	0
27	26	3939.382	2670.899	3740.26	1106.951	-136.621	107.3451	1114.822	1114.822	1093.004	1084.667	149.641	10.5003	0
	27	4799.354	2788.929	3740.26	1107.169	-118.7999	107.3451	1122.948	1122.948	1098.295	1083.47	332.4112	8.75	0
	28	3267.55	1820.808	3740.26	1107.453	-118.7999	107.3451	1124.192	1124.192	1102.184	1082.577	426.0478	8.75	0
27	29	1665.112	2141.275	3740.26	1108.046	-118.7999	107.3451	1121.05	1121.05	1105.226	1084	339.4942	8.75	0
	30	3478.055	1929.206	3740.26	1108.579	-118.7999	107.3451	1115.829	1115.829	1105.653	1089.412	179.6098	8.75	0
	31	693.199	2169.747	3740.26	1109.161	-136.621	107.3451	1114.558	1114.558	1107.925	1095.949	239.087	35	0
27	32	3784.978	2432.942	7480.52	1109.723	-136.621	107.3451	1114.053	1114.053	1109.979	1099.848	206.0738	105	0
27	33	1558.039	1077.881	3740.26	1110.267	-136.621	107.3451	1116.384	1116.384	1106.285	1097.363	80.19552	103.0561	0
	34	1325.992	749.7339	3740.26	1111.227	-136.621	107.3451	1119.573	1119.573	1102.693	1095.534	40.08326	66.60072	0
	35	745.1909	693.8297	3740.26	1112.266	-136.621	107.3451	1126.413	1126.413	1104.154	1094.768	13.61412	50.27004	0
	36	818.8289	551.8387	3740.26	1113.292	-13.13999	107.3451	1137.638	1137.638	1108.057	1094.678	.8133271	52.51839	0
	37	346.1403	343.0314	3740.26	1114.603	-13.13999	107.3451	1143.73	1143.73	1112.189	1095.217	.454755	17.5	0
	38	323.0557	195.3613	3740.26	1116.602	-39.41997	107.3451	1147.827	1147.827	1112.795	1096.398	.5194	17.5	0
27	39	52.20529	52.72451	3740.26	1119.473	-136.621	107.3451	1149.077	1149.077	1107.965	1098.29	.1	.1	0
	40	79.60768	26.95453	5610.39	1126.808	-204.9315	161.0176	1149.835	1149.835	1106.823	1101.923	.1	.1	0
	41	107.9082	30.29739	7480.52	1134.81	-273.242	214.6902	1147.903	1147.903	1110.844	1105.882	.1	.1	0
27	42	128.8814	32.76675	7480.52	1136.375	-273.242	214.6902	1143.535	1143.535	1116.151	1111.207	.454761	.953726	0
27	43	125.4211	36.38864	7480.52	1133.267	-70.07994	214.6902	1140.727	1140.727	1110.858	1105.858	.466136	.466136	0
	44	144.6006	38.20804	7480.52	1129.717	-52.55998	214.6902	1137.993	1137.993	1106.954	1101.954	.418622	4.162126	0
	45	137.6375	41.51161	7480.52	1128.647	-18.23998	214.6902	1128.908	1128.908	1105.11	1100.11	.295649	2.860019	0
27	46	168.6237	52.23486	7480.52	1129.214	-35.03998	214.6902	1129.192	1129.192	1103.358	1098.83	.324377	7.911222	0
	47	194.6965	64.47218	7480.52	1130.036	-35.03998	214.6902	1129.927	1129.927	1101.938	1097.854	.321036	13.61533	0
	48	266.5735	73.88451	7480.52	1131.212	-35.03998	214.6902	1132.894	1132.894	1102.503	1097.375	.407725	15.94322	0
27	49	287.2563	72.09868	7480.52	1131.833	-35.03998	214.6902	1135.968	1135.968	1102.106	1097.056	.473155	17.5	0
	50	264.9095	64.4234	7480.52	1132.143	-35.03998	214.6902	1139.829	1139.829	1100.998	1097.044	.551962	17.5	0
	51	239.3008	54.2081	7480.52	1132.092	-35.03998	214.6902	1140.798	1140.798	1101.448	1097.148	.569931	12.61717	0
27	52	191.4416	42.90746	7480.52	1131.601	-52.55998	214.6902	1138.273	1138.273	1102.45	1097.45	.574913	5.736815	0
27	53	149.2886	35.55788	7480.52	1130.306	-105.1199	214.6902	1133.189	1133.189	1100.048	1095.048	.534081	2.159988	0
	54	130.1635	31.79534	7480.52	1127.228	-140.1599	214.6902	1128.679	1128.679	1098.028	1093.028	.496356	.496356	0
	55	123.6232	30.32487	7480.52	1122.197	-105.1199	214.6902	1127.687	1127.687	1096.163	1091.163	.410079	.410079	0
27	56	120.9133	29.72023	7480.52	1117.283	-70.07994	214.6902	1116.604	1116.604	1094.262	1089.262	.424116	.424116	0
	57	118.5632	29.3799	7480.52	1114.678	-70.07994	214.6902	1114.003	1114.003	1092.831	1087.831	.41	.41	0
	58	117.5827	30.14043	7480.52	1113.599	-70.07994	40000	1113.6	1112.6	1091.541	1086.541	.410013	.410013	12
27	59	123.9673	31.54854	7480.52	1120.7	-70.07994	214.6902	1125.309	1125.309	1089.963	1084.963	.41	.41	0
	60	128.5847	32.50526	7480.52	1126.074	-70.07994	214.6902	1132.365	1132.365	1088.948	1083.948	.41	.41	0
	61	131.2305	32.9232	7480.52	1129.011	-70.07994	214.6902	1139.307	1139.307	1087.863	1082.863	.41	.41	0
27	62	131.8391	32.81819	7480.52	1129.688	-70.07994	214.6902	1145.308	1145.308	1087.995	1082.995	.41	.41	0
27	63	130.5891	32.24202	7480.52	1127.948	-70.07994	214.6902	1149.877	1149.877	1087.786	1082.786	.41	.41	0
	64	127.4802	31.83364	7480.52	1123.805	-70.07994	40000	1123.8	1122.8	1087.464	1082.464	.41	.41	20

2	1	19712.21	4572.498	7480.52	1095.88	0	40000	1096.2	1095.2	981.1177	976.1177	80.19426	40.09713	19
2	2	18561.89	4286.264	7480.52	1092.091	0	214.6902	1101.376	1101.376	984.3173	979.3173	80.13482	40.06741	0
28	3	17519.19	4042.036	7480.52	1086.312	0	40000	1085.6	1084.6	986.0025	981.0025	80.32138	40.16069	16
2	4	16437.68	3890.845	7480.52	1086.387	-118.7999	214.6902	1088.892	1088.892	990.7892	985.7892	80.1089	40.05445	0
2	5	16310.99	3765.317	7480.52	1086.41	-118.7999	214.6902	1087.664	1087.664	994.0014	989.0014	80.61816	40.30908	0
	6	15354.38	13707.18	7480.52	1086.544	-118.7999	214.6902	1091.913	1091.913	997.2246	992.2246	80.10354	40.05177	0
28	7	55401.31	13577.86	7480.52	1086.624	-160.1998	214.6902	1095.992	1095.992	.032	995.2316	80.50614	40.25307	0
2	8	14337.69	3356.525	7480.52	1086.807	-160.1998	214.6902	1097.899	1097.899	1003.99	998.9904	80.12844	40.06422	0
2	9	13934.49	3223.143	7480.52	1087.124	-160.1998	214.6902	1100.556	1100.556	1008.53	1003.53	80.52866	40.26433	0
28	10	13301.58	3126.821	7480.52	1087.372	-160.1998	214.6902	1104.274	1104.274	1012.283	1007.283	81.2107	40.60535	0
2	11	13227	3106.72	7480.52	1087.584	-160.1998	214.6902	1108.624	1108.624	1016.361	1011.361	83.33206	41.66603	0
2	12	13416.05	3114.682	7480.52	1087.846	-240.2998	214.6902	1109.238	1109.238	1020.263	1015.263	88.73682	44.36841	0
28	13	13553.52	3033.427	7480.52	1088.106	-273.242	214.6902	1110.177	1110.177	1022.733	1017.733	90.9638	45.4819	0
28	14	12778.51	2798.771	7480.52	1088.329	-237.5998	214.6902	1109.858	1109.858	1024.97	1019.97	89.47828	44.73914	0
	15	11084.78	2294.293	7480.52	1088.574	-273.242	214.6902	1110.641	1110.641	1028.567	1023.567	83.73656	41.86828	0
2	16	7883.352	1219.364	7480.52	1088.976	-178.1998	214.6902	1111.754	1111.754	1035.456	1030.456	69.13324	34.56662	0
28	17	2006.368	543.1638	7480.52	1090.058	-118.7999	214.6902	1108.411	1108.411	1045.397	1040.397	18.74468	18.74468	0
2	18	1929.003	996.3699	5610.39	1092.544	-118.7999	161.0176	1105.108	1105.108	1051.755	1046.755	25.4342	25.4342	0
2	19	851.5173	678.8698	3740.26	1094.074	-118.7999	107.3451	1105.853	1105.853	1058.248	1053.248	18.32793	18.32793	0
28	20	637.8108	502.4884	3740.26	1096.227	0	107.3451	1109.184	1109.184	1065.382	1060.382	14.6958	14.6958	0
2	21	550.671	457.1894	3740.26	1098.909	0	107.3451	1114.648	1114.648	1072.792	1067.792	12.61291	12.61291	0
	22	563.0796	652.7231	3740.26	1101.807	0	107.3451	1115.982	1115.982	1078.674	1073.674	15.40627	15.40627	0
28	23	881.8433	1239.398	3740.26	1104.4	0	107.3451	1117.228	1117.228	1083.078	1078.078	29.68972	29.68972	0
28	24	1631.631	2415.8	3740.26	1106.024	0	107.3451	1112.443	1112.443	1087.743	1082.743	68.95054	68.95054	0
	25	2908.586	4419.356	3740.26	1106.872	-136.621	107.3451	1113.49	1113.49	1089.412	1084.656	165.1761	52.55786	0
2	26	4737.304	6067.837	3740.26	1107.302	-118.7999	107.3451	1120.621	1120.621	1093.667	1084.401	388.0412	35	0
28	27	5231.078	5277.975	3740.26	1107.607	-118.7999	107.3451	1123.871	1123.871	1099.491	1084.587	728.941	35	0
2	28	3137.416	3111.854	3740.26	1107.981	-118.7999	107.3451	1120.342	1120.342	1104.656	1085.376	1013.21	35	0
	29	1693.137	3001.891	3740.26	1108.653	-118.7999	107.3451	1114.179	1114.179	1107.269	1085.954	982.7952	35	0
28	30	3578.097	2242.048	3740.26	1109.266	-118.7999	107.3451	1118.838	1118.838	1107.786	1088.722	521.6968	35	0
	31	684.0648	2308.43	3740.26	1109.922	-136.621	107.3451	1121.241	1121.241	1109.532	1095.375	208.8854	35	0
	32	4191.985	2910.074	3740.26	1110.506	-136.621	107.3451	1119.27	1119.27	1109.855	1097.274	241.5904	105	0
2	33	1949.422	1806.15	3740.26	1110.983	-136.621	107.3451	1121.656	1121.656	1107.512	1094.424	103.3726	108.5566	0
28	34	1980.771	1321.449	3740.26	1111.683	-136.621	107.3451	1123.598	1123.598	1104.706	1093.269	68.68794	109.8253	0
	35	968.9087	870.19	3740.26	1112.413	-136.621	107.3451	1130.254	1130.254	1106.36	1093.286	20.30997	52.55097	0
	36	932.4441	613.1305	3740.26	1113.279	-13.13999	107.3451	1142.454	1142.454	1109.311	1093.602	1.942338	52.5	0
28	37	345.0093	326.1646	3740.26	1114.375	-13.13999	107.3451	1149.35	1149.35	1110.989	1094.233	.699163	17.5	0
2	38	296.4025	179.8996	3740.26	1116.246	-39.41997	107.3451	1150.163	1150.163	1109.777	1095.25	.606887	17.5	0
	39	52.22645	52.55256	3740.26	1119.072	-136.621	107.3451	1150.428	1150.428	1106.838	1099.511	.1	.1	0
28	40	78.94357	26.55842	5610.39	1126.136	-204.9315	161.0176	1150.059	1150.059	1103.542	1098.542	.1	.1	0
28	41	105.8982	28.90001	7480.52	1134.507	-273.242	214.6902	1146.204	1146.204	1100.737	1095.737	.1	.1	0
	42	120.6391	30.80886	7480.52	1136.813	-273.242	214.6902	1143.016	1143.016	1108.053	1103.053	.331135	.331135	0
2	43	119.0121	31.11679	7480.52	1134.399	-70.07994	214.6902	1139.645	1139.645	1107.72	1102.72	.317119	.317119	0
28	44	120.6907	32.35151	7480.52	1131.433	-52.55998	214.6902	1132.646	1132.646	1105.593	1100.593	.24117	1.338851	0
	45	127.9344	35.05369	7480.52	1129.464	-35.03998	214.6902	1128.86	1128.86	1103.925	1098.925	.21426	2.061827	5
	46	138.0608	38.59518	7480.52	1129.997	-35.03998	214.6902	1129.288	1129.288	1103.432	1098.587	.230818	3.720194	0
28	47	152.6123	50.84532	7480.52	1130.764	-35.03998	214.6902	1129.714	1129.714	1103.646	1098.823	.255399	4.777594	0
2	48	228.4446	64.57298	7480.52	1132.283	-35.03998	214.6902	1134.902	1134.902	1101.774	1097.406	.354452	14.32882	0
	49	254.7079	65.9428	7480.52	1132.923	-35.03998	214.6902	1138.817	1138.817	1101.139	1097.039	.436856	17.40588	0
28	50	260.2978	61.62919	7480.52	1133.292	-35.03998	214.6902	1145.519	1145.519	1100.426	1096.93	.541626	17.5	0
28	51	233.3533	53.47749	7480.52	1133.287	-35.03998	214.6902	1144.226	1144.226	1101.178	1097.019	.549566	12.10765	0
	52	165.4174	42.27507	7480.52	1132.912	-52.55998	214.6902	1141.985	1141.985	1102.179	1097.179	.574491	5.733593	0
	53	143.5018	34.30515	7480.52	1131.997	-105.1199	214.6902	1136.043	1136.043	1100.135	1095.135	.46454	1.757707	0
28	54	128.5521	31.65136	7480.52	1129.335	-105.1199	214.6902	1131.908	1131.908	1098.272	1093.272	.423309	.423309	0
	55	125.6538	30.80927	7480.52	1124.971	-70.07994	214.6902	1128.485	1128.485	1096.347	1091.347	.409532	.409532	0
	56	122.642	30.14891	7480.52	1120.451	-70.07994	214.6902	1120.424	1120.424	1094.503	1089.503	.41	.41	0
	57	120.0975	29.65658	7480.52	1116.838	-70.07994	214.6902	1116.546	1116.546	1092.96	1087.96	.41	.41	0
28	58	118.1586	30.24707	7480.52	1114.109	-36.47998	40000	1114.1	1113.1	1091.348	1086.348	.41	.41	12
	59	124.1777	31.58948	7480.52	1121.175	-70.07994	214.6902	1125.773	1125.773	1090.041	1085.041	.41	.41	0
28	60	128.4443	32.44855	7480.52	1126.139	-70.07994	214.6902	1132.529	1132.529	1089.159	1084.159	.41	.41	0

2	61	130.919	32.84419	7480.52	1128.896	-70.07994	214.6902	1138.522	1138.522	1088.684	1083.684	.41	.41	0
2	62	131.6456	32.78885	7480.52	1129.506	-70.07994	214.6902	1144.863	1144.863	1088.146	1083.146	.41	.41	0
28	63	130.5695	32.27528	7480.52	1127.879	-70.07994	214.6902	1149.841	1149.841	1087.706	1082.706	.41	.41	0
28	64	127.7302	31.90645	7480.52	1124.005	-70.07994	40000	1124	1123	1087.145	1082.145	.41	.41	20
2	1	20605.44	4996.026	7480.52	1093.15	0	40000	1093	1092	981.0735	976.0735	89.54462	44.77231	19
	2	19513.57	4734.007	7480.52	1090.608	0	214.6902	1096.339	1096.339	984.4826	979.4826	89.06696	44.53348	0
2	3	18522.77	4447.183	7480.52	1086.253	0	40000	1085.7	1084.7	986.2112	981.2112	89.82174	44.91087	16
2	4	17485.01	4296.324	7480.52	1086.482	-118.7999	214.6902	1088.944	1088.944	991.2615	986.2615	87.25088	43.62544	0
2	5	17274.18	4151.026	7480.52	1086.602	-118.7999	214.6902	1092.008	1092.008	994.8271	989.8271	91.27842	45.63921	0
29	6	16291.21	3981.743	7480.52	1086.734	-118.7999	214.6902	1093.872	1093.872	997.9456	992.9456	87.01676	43.50838	0
2	7	15889.06	3856.894	7480.52	1086.739	-160.1998	214.6902	1097.51	1097.51	1002.046	997.0463	90.90856	45.45428	0
2	8	15145.74	3711.521	7480.52	1087.096	-160.1998	214.6902	1099.381	1099.381	1004.873	999.8731	87.84788	43.92394	0
2	9	14725.48	3585.875	7480.52	1087.432	-160.1998	214.6902	1102.702	1102.702	1008.788	1003.788	90.5021	45.25105	0
29	10	14061.95	3505.326	7480.52	1087.74	-160.1998	214.6902	1104.694	1104.694	1013.322	1008.322	90.20452	45.10226	0
2	11	13996.15	3554.043	7480.52	1088.034	-240.2998	214.6902	1108.313	1108.313	1017.54	1012.54	96.16806	48.08403	0
2	12	14758.86	3627.709	7480.52	1088.345	-273.242	214.6902	1108.486	1108.486	1020.628	1015.628	101.5674	50.78369	0
29	13	15387.17	3549.579	7480.52	1088.626	-273.242	214.6902	1104.485	1104.485	1023.473	1018.473	108.0966	54.0483	0
2	14	14181.67	3167.05	7480.52	1088.857	-273.242	214.6902	1109.353	1109.353	1026.966	1021.966	105.8813	52.94067	0
2	15	11627.06	2447.739	7480.52	1089.12	-273.242	214.6902	1112.495	1112.495	1031.653	1026.653	96.40694	48.20347	0
29	16	8031.938	1253.066	7480.52	1089.59	-178.1998	214.6902	1110.159	1110.159	1039.182	1034.182	74.43162	37.21581	0
29	17	2176.174	601.4292	7480.52	1090.849	-118.7999	214.6902	1112.165	1112.165	1049.389	1044.389	21.49854	21.49854	0
2	18	2240.851	1141.15	5610.39	1093.547	-118.7999	161.0176	1109.901	1109.901	1055.721	1050.721	31.00966	31.00966	0
2	19	1022.54	810.4584	3740.26	1095.097	-118.7999	107.3451	1109.503	1109.503	1062.494	1057.494	23.20642	23.20642	0
29	20	774.071	685.9933	3740.26	1097.276	-118.7999	107.3451	1112.108	1112.108	1069.983	1064.983	20.5514	20.5514	0
2	21	712.6934	656.5612	3740.26	1099.894	-136.621	107.3451	1117.702	1117.702	1077.521	1072.521	22.67122	22.67122	0
2	22	758.4537	792.1998	3740.26	1102.603	-136.621	107.3451	1119.051	1119.051	1083.216	1078.216	24.68836	24.68836	0
29	23	957.1797	1274.076	3740.26	1104.865	-136.621	107.3451	1120.146	1120.146	1086.505	1081.505	38.10422	38.10422	0
2	24	1646.839	2124.417	3740.26	1106.289	-136.621	107.3451	1113.823	1113.823	1090.138	1085.157	73.14596	76.95158	0
2	25	2410.961	3226.534	3740.26	1107.101	-136.621	107.3451	1113.139	1113.139	1090.667	1085.464	139.4431	57.48142	0
29	26	3269.521	3900.545	3740.26	1107.583	-118.7999	107.3451	1121.145	1121.145	1094.182	1085.019	257.4218	35	0
	27	3293.154	3090.519	3740.26	1107.967	-118.7999	107.3451	1120.475	1120.475	1099.744	1086.035	420.9432	35	0
	28	1861.193	1718.699	3740.26	1108.458	-118.7999	107.3451	1115.474	1115.474	1105.697	1087.801	552.6808	35	0
2	29	1175.773	2269.343	3740.26	1109.338	-118.7999	107.3451	1116.933	1116.933	1108.418	1088.556	545.1214	35	0
29	30	3300.418	2020.114	3740.26	1110.003	-118.7999	107.3451	1123.513	1123.513	1109.124	1090.213	222.9152	35	0
2	31	765.5485	2567.62	3740.26	1110.688	-136.621	107.3451	1129.375	1129.375	1109.046	1095.018	123.7272	35	0
2	32	4354.646	3231.333	3740.26	1111.171	-136.621	107.3451	1126.793	1126.793	1107.617	1096.586	204.4326	105	0
29	33	2104.39	2124.043	3740.26	1111.552	-136.621	107.3451	1123.83	1123.83	1108.155	1092.852	119.6299	105.5608	0
2	34	2260.555	1628.23	3740.26	1112.07	-136.621	107.3451	1123.551	1123.551	1106.694	1090.488	77.42178	105.6985	0
2	35	1009.136	1031.163	3740.26	1112.603	-13.13999	107.3451	1127.365	1127.365	1108.182	1091.418	33.94317	52.509	0
2	36	1023.517	664.3229	3740.26	1113.343	-13.13999	107.3451	1141.45	1141.45	1109.994	1092.334	2.230011	52.5	0
29	37	336.4643	315.2473	3740.26	1114.289	-13.13999	107.3451	1148.756	1148.756	1109.621	1092.925	.887804	17.5	0
2	38	280.1433	168.7293	3740.26	1116.069	-39.41997	107.3451	1150.521	1150.521	1106.935	1093.803	.695165	17.5	0
2	39	84.98251	52.30293	3740.26	1118.684	-105.1199	107.3451	1149.533	1149.533	1104.593	1099.382	.1	.1	0
29	40	80.08203	26.23066	5610.39	1124.75	-105.1199	161.0176	1149.089	1149.089	1100.735	1095.735	.1	.1	0
2	41	106.0325	27.73431	7480.52	1133.09	-105.1199	214.6902	1145.051	1145.051	1094.166	1089.166	.1	.1	0
2	42	113.0612	29.10392	7480.52	1136.185	-105.1199	214.6902	1141.682	1141.682	1101.086	1096.086	.220514	.220514	5
29	43	113.9529	28.80889	7480.52	1135.155	-70.07994	214.6902	1139.548	1139.548	1104.252	1099.252	.215934	.215934	0
29	44	113.3258	29.80475	7480.52	1132.815	-52.55998	214.6902	1134.405	1134.405	1103.708	1098.708	.209208	.204372	0
2	45	120.4496	31.4451	7480.52	1130.439	-35.03998	214.6902	1129.013	1129.013	1102.432	1097.432	.163647	1.506965	5
2	46	124.1858	34.07309	7480.52	1131.721	-35.03998	214.6902	1131.598	1131.598	1102.39	1097.39	.178247	1.744254	0
29	47	135.7329	44.4189	7480.52	1132.628	-35.03998	214.6902	1133.581	1133.581	1102.393	1097.558	.202587	3.408103	0
	48	188.1986	56.21517	7480.52	1133.536	-35.03998	214.6902	1137.765	1137.765	1101.679	1097.509	.310212	10.89322	0
	49	221.5433	62.80863	7480.52	1134.08	-35.03998	214.6902	1141.791	1141.791	1101.108	1097.318	.403939	14.91215	0
29	50	256.3916	61.78358	7480.52	1134.42	-35.03998	214.6902	1147.172	1147.172	1100.478	1096.824	.526679	17.5	0
2	51	228.0635	46.2152	7480.52	1134.447	-35.03998	214.6902	1146.956	1146.956	1101.059	1096.891	.511758	11.69391	0
	52	153.1645	34.95473	7480.52	1134.223	-52.55998	214.6902	1146.809	1146.809	1101.833	1096.833	.431812	1.11259	0
	53	140.242	33.70833	7480.52	1133.389	-78.83994	214.6902	1138.174	1138.174	1100.227	1095.227	.427232	1.393654	0
29	54	129.2026	31.90012	7480.52	1131.016	-70.07994	214.6902	1133.442	1133.442	1098.549	1093.549	.407145	.407145	0
	55	126.9431	31.26469	7480.52	1127.151	-70.07994	214.6902	1131.957	1131.957	1096.125	1091.125	.409841	.409841	0
2	56	124.0867	30.53598	7480.52	1122.804	-70.07994	214.6902	1122.756	1122.756	1094.959	1089.959	.41	.41	0

29	57	121.2038	29.90746	7480.52	1118.673	-70.07994	214.6902	1118.484	1118.484	1093.348	1088.348	.41	.41	0
2	58	118.3666	30.33701	7480.52	1114.808	-36.47998	40000	1114.8	1113.8	1091.139	1086.139	.41	.41	12
2	59	124.1363	31.56602	7480.52	1121.543	-70.07994	214.6902	1126.169	1126.169	1090.641	1085.641	.41	.41	0
29	60	128.178	32.39226	7480.52	1126.184	-70.07994	214.6902	1132.427	1132.427	1089.875	1084.875	.41	.41	0
29	61	130.5767	32.79697	7480.52	1128.776	-70.07994	214.6902	1136.777	1136.777	1088.94	1083.94	.41	.41	0
	62	131.4441	32.76494	7480.52	1129.349	-70.07994	214.6902	1143.05	1143.05	1088.268	1083.268	.41	.41	0
	63	130.5104	32.29964	7480.52	1127.821	-70.07994	214.6902	1148.357	1148.357	1087.623	1082.623	.41	.41	0
29	64	127.7563	31.95864	7480.52	1124.105	-70.07994	40000	1124.1	1123.1	1086.828	1081.828	.41	.41	20
3	1	20502.38	5033.727	7480.52	1091.444	0	40000	1091.3	1090.3	981.3344	976.3344	91.43934	45.71967	19
3	2	19518.46	4775.078	7480.52	1089.603	0	214.6902	1093.609	1093.609	984.8802	979.8802	91.28956	45.64478	0
30	3	18554.48	4554.762	7480.52	1086.225	0	40000	1085.7	1084.7	986.9051	981.9051	90.95648	45.47824	16
3	4	17843.74	4393.475	7480.52	1086.594	-160.1998	214.6902	1089.977	1089.977	991.6578	986.6578	91.4	45.7	0
3	5	17299.39	4240.322	7480.52	1086.775	-160.1998	214.6902	1093.463	1093.463	994.9971	989.9971	91.37186	45.68593	0
30	6	16625.31	4063.324	7480.52	1086.939	-160.1998	214.6902	1095.172	1095.172	998.7214	993.7214	91.4	45.7	0
30	7	15838.14	3901.806	7480.52	1087.047	-160.1998	214.6902	1098.147	1098.147	1002.927	997.9273	91.25698	45.62848	0
3	8	15228.15	3756.284	7480.52	1087.368	-160.1998	214.6902	1100.333	1100.333	1005.88	1000.88	91.01228	45.50614	0
3	9	14420.92	3610.982	7480.52	1087.721	-160.1998	214.6902	1103.845	1103.845	1009.884	1004.884	91.12954	45.56477	0
30	10	14133.1	3509.198	7480.52	1088.084	-240.2998	214.6902	1103.709	1103.709	1014.434	1009.434	92.72488	46.36244	0
3	11	14107.25	3634.71	7480.52	1088.436	-273.242	214.6902	1102.452	1102.452	1018.708	1013.708	95.69882	47.84941	0
3	12	15857.22	3908.8	7480.52	1088.785	-273.242	214.6902	1104.34	1104.34	1021.209	1016.209	107.905	53.9525	0
30	13	17004.18	3842.632	7480.52	1089.079	-273.242	214.6902	1107.138	1107.138	1024.38	1019.381	119.1579	59.57895	0
30	14	15223.39	3285.133	7480.52	1089.314	-273.242	214.6902	1113.372	1113.372	1028.334	1023.328	114.9188	57.45942	0
3	15	11651.12	2467.011	7480.52	1089.589	-273.242	214.6902	1113.134	1113.134	1034.421	1029.421	100.1453	50.07267	0
30	16	8095.606	1298.962	7480.52	1090.118	-240.2998	214.6902	1111.104	1111.104	1042.729	1037.729	80.57622	40.28811	0
30	17	2395.16	689.5646	7480.52	1091.503	-118.7999	214.6902	1109.561	1109.561	1053.687	1048.687	25.66623	25.66623	0
3	18	2629.984	1375.291	5610.39	1094.292	-118.7999	161.0176	1111.954	1111.954	1059.508	1054.508	39.6826	39.6826	0
3	19	1264.76	986.1531	3740.26	1095.833	-118.7999	107.3451	1112.348	1112.348	1066.137	1061.137	31.37422	31.37422	0
30	20	944.8227	800.7711	3740.26	1097.947	-136.621	107.3451	1112.542	1112.542	1073.203	1068.203	26.81468	26.81468	0
30	21	821.0731	814.5859	3740.26	1100.488	-136.621	107.3451	1120.421	1120.421	1080.47	1075.47	28.57392	28.57392	0
3	22	879.9659	923.4337	3740.26	1102.998	-136.621	107.3451	1123.183	1123.183	1085.859	1080.859	37.15692	37.15692	0
	23	1031.984	1329.942	3740.26	1105.127	-136.621	107.3451	1120.161	1120.161	1089.119	1084.119	44.30972	44.30972	0
	24	1521.372	1933.383	3740.26	1106.526	-136.621	107.3451	1114.793	1114.793	1091.788	1086.916	83.76092	82.13262	0
3	25	1936.237	2453.948	3740.26	1107.392	-136.621	107.3451	1114.587	1114.587	1091.388	1086.147	115.6923	54.59046	0
3	26	2154.494	2662.129	3740.26	1107.977	-136.621	107.3451	1120.954	1120.954	1093.584	1085.402	166.0696	35	0
30	27	1992.69	2063.827	3740.26	1108.5	-118.7999	107.3451	1119.987	1119.987	1098.813	1086.498	219.2328	35	0
3	28	1377.719	1318.267	3740.26	1109.206	-118.7999	107.3451	1121.537	1121.537	1104.288	1088.37	187.5178	35	0
3	29	1088.121	2206.849	3740.26	1110.228	-118.7999	107.3451	1127.526	1127.526	1107.303	1090.396	160.729	35	0
30	30	3282.931	2045.853	3740.26	1110.806	-136.621	107.3451	1130.638	1130.638	1107.863	1092.283	100.6908	35	0
30	31	803.2245	2552.574	3740.26	1111.382	-136.621	107.3451	1132.834	1132.834	1107.845	1094.091	72.7728	35	0
3	32	4493.519	3227.703	3740.26	1111.781	-136.621	107.3451	1131.265	1131.265	1109.73	1095.7	168.3882	105	0
30	33	2223.756	2240.902	3740.26	1112.076	-136.621	107.3451	1124.346	1124.346	1110.017	1092.614	127.1441	105	0
30	34	2435.272	1641.461	3740.26	1112.452	-136.621	107.3451	1126.082	1126.082	1108.217	1090.199	95.17368	105	0
3	35	1028.93	1001.491	3740.26	1112.875	-13.13999	107.3451	1132.777	1132.777	1106.358	1090.124	5.942451	52.5	0
3	36	1127.082	695.6589	3740.26	1113.52	-13.13999	107.3451	1139.674	1139.674	1110.409	1091.254	3.025842	52.5	0
30	37	341.6	301.3604	3740.26	1114.359	-13.13999	107.3451	1145.285	1145.285	1107.284	1091.73	.965314	17.5	0
3	38	271.9749	196.3965	3740.26	1116.17	-39.41997	107.3451	1148.39	1148.39	1104.925	1092.4	.625619	17.5	0
3	39	127.2587	86.06761	3740.26	1118.669	-70.07994	107.3451	1148.971	1148.971	1102.942	1098.099	.417649	12.63563	0
30	40	79.57785	26.97148	5610.39	1123.301	-70.07994	161.0176	1147.044	1147.044	1099.116	1094.116	.201354	.067179	0
30	41	124.853	27.03912	7480.52	1131.936	-70.07994	214.6902	1143.464	1143.464	1093.262	1088.262	.12777	.12777	0
3	42	118.0986	27.64962	7480.52	1135.61	-70.07994	214.6902	1140.149	1140.149	1097.694	1092.694	.134566	.134566	0
30	43	110.5151	28.0108	7480.52	1135.656	-70.07994	214.6902	1139.159	1139.159	1100.992	1095.992	.161325	.161325	0
30	44	111.4935	28.6391	7480.52	1133.853	-52.55998	214.6902	1137.736	1137.736	1101.035	1096.035	.172355	.172355	5
3	45	112.332	29.71375	7480.52	1132.803	-35.03998	214.6902	1132.9	1132.9	1100.39	1095.39	.131069	.958062	5
3	46	118.652	30.90659	7480.52	1133.645	-35.03998	214.6902	1135.643	1135.643	1100.726	1095.726	.142787	1.23624	0
30	47	125.223	36.56396	7480.52	1134.394	-35.03998	214.6902	1138.494	1138.494	1101.29	1096.29	.163898	1.638981	0
3	48	154.7742	46.22029	7480.52	1134.921	-35.03998	214.6902	1140.617	1140.617	1102.433	1097.729	.279675	5.102735	0
	49	191.0426	56.67509	7480.52	1135.293	-35.03998	214.6902	1143.227	1143.227	1102.191	1097.866	.364958	9.209618	0
30	50	241.3575	59.33018	7480.52	1135.504	-35.03998	214.6902	1147.808	1147.808	1100.473	1096.833	.475413	16.05518	0
30	51	220.2527	49.09178	7480.52	1135.532	-35.03998	214.6902	1148.419	1148.419	1100.796	1096.69	.452991	11.45762	0
	52	168.274	38.39689	7480.52	1135.418	-39.41996	214.6902	1147.671	1147.671	1102.195	1097.195	.409849	4.090227	0

30	53	141.5023	33.65284	7480.52	1134.615	-52.55998	214.6902	1140.878	1140.878	1100.51	1095.51	.41	1.253657	0
	54	130.3235	32.13633	7480.52	1132.482	-70.07994	214.6902	1135.537	1135.537	1099.069	1094.069	.41	.41	0
	55	127.895	31.49277	7480.52	1128.857	-70.07994	214.6902	1130.493	1130.493	1097.945	1092.945	.41	.41	0
30	56	125.0765	30.78664	7480.52	1124.569	-70.07994	214.6902	1125.149	1125.149	1095.721	1090.721	.41	.41	0
	57	121.9372	29.98515	7480.52	1120.16	-70.07994	214.6902	1120.281	1120.281	1094.24	1089.24	.41	.41	0
	58	118.3175	30.28874	7480.52	1115.31	-36.47998	40000	1115.3	1114.3	1092.77	1087.77	.41	.41	12
	59	124.1063	31.51256	7480.52	1121.814	-70.07994	214.6902	1125.787	1125.787	1091.558	1086.558	.41	.41	0
30	60	128.0108	32.2964	7480.52	1126.17	-70.07994	214.6902	1131.741	1131.741	1090.553	1085.553	.41	.41	0
	61	130.3484	32.70823	7480.52	1128.619	-70.07994	214.6902	1134.308	1134.308	1089.829	1084.829	.41	.41	0
	62	131.2923	32.72369	7480.52	1129.182	-70.07994	214.6902	1140.809	1140.809	1088.492	1083.492	.41	.41	0
30	63	130.4809	32.26703	7480.52	1127.762	-70.07994	214.6902	1146.293	1146.293	1087.764	1082.764	.41	.41	0
	64	127.8659	31.91949	7480.52	1124.205	-70.07994	40000	1124.2	1123.2	1087.425	1082.425	.41	.41	20
	1	20232.22	4971.484	7480.52	1090.463	0	40000	1090.6	1089.6	981.8422	976.8422	91.4	45.7	19
31	2	19312.71	4743.157	7480.52	1088.95	0	214.6902	1091.687	1091.687	985.5461	980.5461	91.4	45.7	0
31	3	18576.07	4544.793	7480.52	1086.369	0	40000	1085.7	1084.7	987.5296	982.5296	91.19816	45.59908	16
	4	17802.75	4392.308	7480.52	1086.744	-160.1998	214.6902	1090.838	1090.838	992.0357	987.0357	91.4	45.7	0
31	5	17327.38	4240.853	7480.52	1086.944	-160.1998	214.6902	1093.54	1093.54	995.0021	990.0021	91.38366	45.69183	0
31	6	16487.23	4052.539	7480.52	1087.145	-160.1998	214.6902	1096.538	1096.538	999.081	994.081	91.4	45.7	0
	7	15725.68	3864.767	7480.52	1087.295	-160.1998	214.6902	1097.7	1097.7	1003.518	998.5178	91.2807	45.64035	0
	8	14932.76	3655.983	7480.52	1087.623	-160.1998	214.6902	1100.992	1100.992	1006.542	1001.542	90.03006	45.01503	0
31	9	13948.31	3527.522	7480.52	1088.007	-240.2998	214.6902	1104	1104	1010.971	1005.971	88.49658	44.24829	0
31	10	14111.6	3550.888	7480.52	1088.413	-273.242	214.6902	1103.562	1103.562	1015.387	1010.387	92.80426	46.40213	0
	11	14653.27	3856.406	7480.52	1088.813	-273.242	214.6902	1104.244	1104.244	1019.855	1014.855	99.78272	49.89136	0
31	12	17349.31	4306.55	7480.52	1089.185	-273.242	214.6902	1109.884	1109.884	1021.729	1016.729	117.6429	58.82146	0
31	13	19545.16	4214.261	7480.52	1089.487	-273.242	214.6902	1115.599	1115.599	1025.207	1020.208	133.7177	66.85883	0
	14	16949.52	3433.495	7480.52	1089.721	-273.242	214.6902	1115.478	1115.478	1029.933	1024.921	126.1587	63.07936	0
	15	11823.43	2469.671	7480.52	1089.998	-273.242	214.6902	1113.628	1113.628	1036.397	1031.397	103.4599	51.72993	0
31	16	7891.075	1323.73	7480.52	1090.55	-240.2998	214.6902	1111.45	1111.45	1045.56	1040.56	84.23508	42.11754	0
	17	2622.883	785.8867	7480.52	1091.995	-118.7999	214.6902	1115.475	1115.475	1057.072	1052.072	30.46246	30.46246	0
	18	2243.116	1642.791	5610.39	1094.805	-118.7999	161.0176	1113.332	1113.332	1063.062	1058.062	50.22032	50.22032	0
	19	1132.349	1223.429	3740.26	1096.361	-118.7999	107.3451	1110.243	1110.243	1069.537	1064.537	42.59194	42.59194	0
	20	882.251	965.1248	3740.26	1098.405	-136.621	107.3451	1111.625	1111.625	1076.295	1071.295	37.02462	37.02462	0
	21	736.9932	886.4532	3740.26	1100.822	-136.621	107.3451	1121.437	1121.437	1082.671	1077.671	36.11792	36.11792	0
31	22	708.2505	988.5168	3740.26	1103.273	-136.621	107.3451	1122.568	1122.568	1087.733	1082.733	41.09392	41.09392	0
31	23	821.5767	1223.414	3740.26	1105.339	-136.621	107.3451	1119.245	1119.245	1090.886	1085.96	53.92202	52.63592	0
1	24	1025.035	1524.227	3740.26	1106.815	-136.621	107.3451	1119.458	1119.458	1090.59	1086.562	70.43138	42.31116	0
	25	1425.745	1636.783	3740.26	1107.81	-136.621	107.3451	1123.046	1123.046	1091.416	1086.085	89.25318	33.23672	0
31	26	1285.592	1485.054	3740.26	1108.533	-136.621	107.3451	1121.375	1121.375	1094.475	1086.134	88.67224	35	0
1	27	1227.807	1306.581	3740.26	1109.289	-136.621	107.3451	1123.301	1123.301	1098.749	1086.791	87.12484	35	0
1	28	1161.747	1147.572	3740.26	1110.211	-118.7999	107.3451	1127.871	1127.871	1102.76	1088.121	89.7315	35	0
31	29	1013.327	2164.203	3740.26	1111.148	-118.7999	107.3451	1133.381	1133.381	1105.1	1090.189	81.99656	35	0
31	30	3296.163	2040.302	3740.26	1111.599	-136.621	107.3451	1139.718	1139.718	1106.46	1092.322	59.2554	35	0
	31	889.829	2744.168	3740.26	1112.068	-136.621	107.3451	1136.864	1136.864	1106.663	1092.327	49.53518	35	0
31	32	4902.907	3489.572	3740.26	1112.356	-136.621	107.3451	1131.969	1131.969	1109.158	1092.492	142.2392	105	0
31	33	2509.952	2418.126	3740.26	1112.555	-136.621	107.3451	1129.88	1129.88	1109.942	1091.709	132.1357	105	0
1	34	2465.708	1822.741	3740.26	1112.809	-13.13999	107.3451	1128.039	1128.039	1109.315	1089.48	113.1604	105	0
	35	1148.5	1154.521	3740.26	1113.174	-13.13999	107.3451	1134.469	1134.469	1108.702	1089.118	9.431514	52.5	0
31	36	1157.384	773.0233	3740.26	1113.723	-13.13999	107.3451	1140.085	1140.085	1111.151	1089.56	3.416199	52.5	0
31	37	341.2274	312.2146	3740.26	1114.5	-13.13999	107.3451	1143.922	1143.922	1107.946	1090.715	.840405	17.5	0
1	38	255.9635	202.8371	3740.26	1116.328	-39.41997	107.3451	1147.841	1147.841	1103.766	1091.563	.536378	17.5	0
31	39	136.9164	94.24299	3740.26	1118.831	-70.07994	107.3451	1147.298	1147.298	1102.056	1095.278	.316535	12.10262	0
31	40	84.52635	30.76772	5610.39	1123.045	-70.07994	161.0176	1144.48	1144.48	1098.371	1093.371	.104971	.026957	0
1	41	153.5983	33.69877	7480.52	1131.465	-70.07994	214.6902	1142.816	1142.816	1094.125	1089.125	.548394	.548394	0
31	42	136.3523	29.50379	7480.52	1135.296	-70.07994	214.6902	1139.64	1139.64	1095.626	1090.626	.336351	.336351	5
31	43	109.0566	27.49135	7480.52	1136.009	-70.07994	214.6902	1138.985	1138.985	1098.568	1093.568	.12978	.12978	0
	44	110.9413	27.31728	7480.52	1134.254	-52.55998	214.6902	1133.787	1133.787	1099.347	1094.347	.155231	.155231	5
	45	107.9652	28.03225	7480.52	1134.534	-35.03998	214.6902	1137.408	1137.408	1098.653	1093.653	.118894	.105588	0
31	46	116.7518	30.06217	7480.52	1135.378	-35.03998	214.6902	1139.053	1139.053	1099.222	1094.222	.127513	.89407	0
31	47	124.6335	33.43535	7480.52	1136.058	-35.03998	214.6902	1141.534	1141.534	1099.824	1094.824	.146894	1.468939	0
1	48	142.1005	40.23393	7480.52	1136.39	-35.03998	214.6902	1140.298	1140.298	1102.062	1097.068	.258209	2.625302	0

	49	171.0326	51.42496	7480.52	1136.541	-35.03998	214.6902	1142.485	1142.485	1102.217	1097.561	.333609	5.978157	0
	50	211.5968	56.07237	7480.52	1136.552	-35.03998	214.6902	1147.942	1147.942	1099.959	1096.463	.385412	15.09209	0
	51	201.6835	48.03988	7480.52	1136.529	-26.27998	214.6902	1149.156	1149.156	1100.684	1096.489	.413839	10.31399	0
31	52	169.3651	39.04719	7480.52	1136.423	-26.27998	214.6902	1149.533	1149.533	1101.579	1096.579	.409832	4.086479	0
	53	142.4392	34.30362	7480.52	1135.747	-52.55998	214.6902	1144.04	1144.04	1100.33	1095.33	.41	1.570825	0
	54	131.343	32.4183	7480.52	1133.74	-70.07994	214.6902	1138.277	1138.277	1099.063	1094.063	.41	.41	0
	55	128.942	31.75011	7480.52	1130.148	-70.07994	214.6902	1131.071	1131.071	1097.537	1092.537	.41	.41	0
	56	125.6724	30.9668	7480.52	1125.766	-70.07994	214.6902	1126.857	1126.857	1096.081	1091.081	.41	.41	0
	57	122.3787	30.07853	7480.52	1121.144	-70.07994	214.6902	1121.588	1121.588	1094.745	1089.745	.41	.41	0
31	58	118.8543	30.31721	7480.52	1115.91	-36.47998	40000	1115.9	1114.9	1093.644	1088.644	.41	.41	12
31	59	124.2563	31.51673	7480.52	1122.001	-70.07994	214.6902	1125.131	1125.131	1091.73	1086.73	.41	.41	0
	60	127.9831	32.29342	7480.52	1126.063	-70.07994	214.6902	1131.178	1131.178	1090.463	1085.463	.41	.41	0
	61	130.3316	32.70195	7480.52	1128.39	-70.07994	214.6902	1133.526	1133.526	1089.291	1084.291	.41	.41	0
31	62	131.248	32.71959	7480.52	1128.977	-70.07994	214.6902	1139.448	1139.448	1088.266	1083.266	.41	.41	0
	63	130.5658	32.31966	7480.52	1127.69	-70.07994	214.6902	1144.79	1144.79	1087.504	1082.504	.41	.41	0
	64	128.179	32.01346	7480.52	1124.404	-70.07994	40000	1124.4	1123.4	1086.893	1081.893	.41	.41	20
32	1	19992.3	4914.748	7480.52	1089.571	0	40000	1089.5	1088.5	982.3713	977.3713	91.4	45.7	19
	2	19129.98	4729.039	7480.52	1088.535	0	214.6902	1090.701	1090.701	986.1949	981.1949	91.4	45.7	0
	3	18521.69	4549.912	7480.52	1087.202	0	40000	1087.5	1086.5	988.1426	983.1426	91.4	45.7	16
	4	17665.01	4390.224	7480.52	1086.931	-160.1998	214.6902	1091.734	1091.734	992.4454	987.4454	91.4	45.7	0
32	5	17262.71	4212.801	7480.52	1087.105	-160.1998	214.6902	1096.811	1096.811	995.0414	990.0414	91.39142	45.69571	0
	6	60461.22	4000.689	7480.52	1087.357	-160.1998	214.6902	1097.742	1097.742	999.575	994.575	90.30932	45.15466	0
	7	15122.89	3799.843	7480.52	1087.491	-160.1998	214.6902	1100.651	1100.651	1004.084	999.0839	90.70194	45.35097	0
32	8	14579.42	3564.285	7480.52	1087.864	-240.2998	214.6902	1101.875	1101.875	1007.161	1002.161	88.31826	44.15913	0
	9	13706.84	3487.455	7480.52	1088.283	-237.5998	214.6902	1105.109	1105.109	1010.754	1005.754	85.57268	42.78634	0
	10	14246.96	3640.331	7480.52	1088.724	-273.242	214.6902	1104.598	1104.598	1016.042	1011.042	93.62766	46.81383	0
32	11	15382.6	4144.239	7480.52	1089.156	-273.242	214.6902	1105.664	1105.664	1020.461	1015.461	104.7511	52.37556	0
32	12	19516.49	4917.065	7480.52	1089.542	-273.242	214.6902	1115.979	1115.979	1022.147	1017.147	129.5282	64.76409	0
	13	24016.69	4909.408	7480.52	1089.845	-273.242	214.6902	1111.46	1111.46	1025.954	1020.954	158.8749	79.43743	0
	14	20197.26	3759.742	7480.52	1090.072	-273.242	214.6902	1106.312	1106.312	1031.224	1026.224	147.0434	73.52168	0
	15	12441.22	2458.954	7480.52	1090.344	-273.242	214.6902	1100.245	1100.245	1038.37	1033.37	109.1634	54.5817	0
	16	7513.548	1304.76	7480.52	1090.893	-240.2998	214.6902	1099.031	1099.031	1047.729	1042.729	83.52728	41.76364	0
	17	2685.689	617.5393	7480.52	1092.287	-160.1998	214.6902	1105.916	1105.916	1059.073	1054.073	34.68577	34.68577	0
32	18	1712.113	984.9682	5610.39	1095.197	-160.1998	161.0176	1107.343	1107.343	1065.633	1060.633	30.71434	30.71434	0
	19	945.0727	791.1703	3740.26	1096.894	-118.7999	107.3451	1109.661	1109.661	1072.263	1067.263	27.7556	27.7556	0
	20	773.9231	654.1194	3740.26	1098.928	-136.621	107.3451	1113.472	1113.472	1077.918	1072.918	25.81322	25.81322	0
32	21	634.2217	558.7905	3740.26	1101.225	-136.621	107.3451	1122.594	1122.594	1084.162	1079.162	24.74121	24.74121	0
32	22	568.0239	541.3105	3740.26	1103.604	-136.621	107.3451	1120.915	1120.915	1089.78	1084.78	25.40885	25.40885	0
	23	576.0101	623.1979	3740.26	1105.728	-136.621	107.3451	1120.393	1120.393	1092.802	1087.89	28.75313	27.98063	0
	24	612.2777	926.5533	3740.26	1107.393	-136.621	107.3451	1122.86	1122.86	1091.1	1087.451	35.49986	17.30662	0
32	25	967.7814	1074.553	3740.26	1108.515	-136.621	107.3451	1127.232	1127.232	1093.859	1087.466	60.8734	35	0
	26	891.3304	1028.344	3740.26	1109.407	-90.11235	107.3451	1123.419	1123.419	1097.252	1087.538	49.15748	35	0
	27	955.4423	1082.972	3740.26	1110.389	-90.11235	107.3451	1123.011	1123.011	1100.052	1087.275	55.7487	35	0
32	28	1877.487	1027.501	3740.26	1111.412	-66.82494	107.3451	1130.686	1130.686	1101.607	1087.547	56.55412	35	0
	29	1944.573	2145.287	3740.26	1112.112	-66.82494	107.3451	1137.967	1137.967	1102.607	1087.583	40.66782	35	0
	30	4480.832	2145.69	3740.26	1112.352	-66.82494	107.3451	1140.424	1140.424	1103.959	1087.223	39.98624	35	0
32	31	2126.202	3048.568	3740.26	1112.711	-90.11235	107.3451	1136.417	1136.417	1105.696	1087.912	41.42894	35	0
32	32	8578.652	3923.288	3740.26	1112.871	-90.11235	107.3451	1131.78	1131.78	1105.585	1088.634	127.8562	105	0
	33	2754.598	2557.534	3740.26	1112.955	-90.11235	107.3451	1131.012	1131.012	1106.961	1090.037	147.4592	105	0
	34	2351.901	1791.467	3740.26	1113.135	-7.391244	107.3451	1130.542	1130.542	1108.995	1089.151	65.73672	105	0
32	35	1193.985	1151.362	3740.26	1113.451	-7.391244	107.3451	1137.873	1137.873	1109.599	1088.511	6.058047	52.5	0
	36	1125.719	725.588	3740.26	1113.936	-7.391244	107.3451	1141.141	1141.141	1108.567	1088.447	3.711024	52.5	0
	37	306.7105	284.9764	3740.26	1114.687	-7.391244	107.3451	1143.32	1143.32	1105.377	1089.862	.768929	17.5	0
32	38	219.1025	190.0428	3740.26	1116.585	-22.17373	107.3451	1143.961	1143.961	1101.664	1090.937	.454645	17.5	0
32	39	120.5103	99.02432	3740.26	1119.275	-39.41997	107.3451	1144.776	1144.776	1099.579	1092.665	.268581	11.99436	0
	40	103.3922	35.8073	5610.39	1123.606	-70.07994	161.0176	1142.736	1142.736	1097.668	1092.668	.391258	.391258	0
	41	160.4763	38.78887	7480.52	1131.471	-70.07994	214.6902	1140.867	1140.867	1094.149	1089.149	.806545	.806545	0
32	42	146.8685	31.84844	7480.52	1135.302	-70.07994	214.6902	1139.339	1139.339	1094.299	1089.299	.53777	.53777	0
	43	109.9967	27.50812	7480.52	1136.358	-70.07994	214.6902	1138.07	1138.07	1096.669	1091.669	.130862	.130862	0
	44	112.2379	27.40934	7480.52	1134.583	-52.55998	214.6902	1133.859	1133.859	1098.01	1093.01	.158785	.158785	5

32	45	109.7803	28.147	7480.52	1135.862	-35.03998	214.6902	1138.846	1138.846	1097.596	1092.596	.123184	.108953	0
	46	119.1691	30.28416	7480.52	1136.865	-35.03998	214.6902	1140.4	1140.4	1098.272	1093.272	.136662	.84445	0
32	47	128.2809	33.24817	7480.52	1137.522	-35.03998	214.6902	1141.54	1141.54	1098.91	1093.91	.152695	1.526947	0
32	48	143.4155	38.04935	7480.52	1137.777	-35.03998	214.6902	1141.024	1141.024	1101.178	1096.178	.239508	2.395079	0
	49	159.9124	44.23238	7480.52	1137.762	-35.03998	214.6902	1143.076	1143.076	1101.718	1096.899	.302741	4.39813	0
	50	177.8841	47.24769	7480.52	1137.591	-26.27998	214.6902	1148.498	1148.498	1101.234	1096.676	.372478	6.982486	0
32	51	175.6737	44.72226	7480.52	1137.505	-17.51998	214.6902	1149.991	1149.991	1100.834	1096.233	.397707	6.460332	0
32	52	152.0102	38.90387	7480.52	1137.391	-26.27998	214.6902	1150.488	1150.488	1100.963	1095.963	.41	4.096489	0
	53	139.0034	34.14193	7480.52	1136.801	-52.55998	214.6902	1147.018	1147.018	1099.771	1094.771	.41	1.232213	0
32	54	131.9917	32.65296	7480.52	1134.818	-70.07994	214.6902	1141	1141	1098.76	1093.76	.41	.41	0
32	55	129.3081	31.9035	7480.52	1131.061	-70.07994	214.6902	1131.528	1131.528	1097.228	1092.228	.41	.41	0
	56	125.8372	31.04597	7480.52	1126.431	-70.07994	214.6902	1127.694	1127.694	1096.558	1091.558	.41	.41	0
	57	122.4972	30.22972	7480.52	1121.667	-70.07994	214.6902	1121.91	1121.91	1095.122	1090.122	.41	.41	0
32	58	119.8166	30.46045	7480.52	1116.809	-36.47998	40000	1116.8	1115.8	1093.159	1088.159	.41	.41	12
	59	124.3995	31.54314	7480.52	1122.081	-70.07994	214.6902	1124.762	1124.762	1091.356	1086.356	.41	.41	0
	60	127.8974	32.28527	7480.52	1125.821	-70.07994	214.6902	1131.112	1131.112	1089.978	1084.978	.41	.41	0
32	61	130.1851	32.69295	7480.52	1128.054	-70.07994	214.6902	1132.654	1132.654	1088.755	1083.755	.41	.41	0
32	62	131.1956	32.73386	7480.52	1128.704	-70.07994	214.6902	1138.354	1138.354	1087.734	1082.734	.41	.41	0
	63	130.6762	32.36655	7480.52	1127.573	-70.07994	214.6902	1143.455	1143.455	1086.952	1081.952	.41	.41	0
32	64	128.4543	32.07605	7480.52	1124.405	-70.07994	40000	1124.4	1123.4	1086.269	1081.269	.41	.41	20
33	1	19820.08	4865.824	7480.52	1089.066	0	40000	1089.1	1088.1	983.0723	978.0723	91.4	45.7	19
	2	18882.96	4683.879	7480.52	1088.178	0	214.6902	1090.172	1090.172	986.7756	981.7756	91.4	45.7	0
	3	18307.34	4496.763	7480.52	1087.12	0	214.6902	1085.5	1085.5	988.8728	983.8728	91.19168	45.59584	0
33	4	17315.23	4341.704	7480.52	1086.999	-160.1998	214.6902	1092.214	1092.214	993.0514	988.0514	90.69086	45.34543	0
33	5	16813.58	15218.18	7480.52	1087.241	-160.1998	214.6902	1097.481	1097.481	995.9774	990.9774	91.35332	45.67666	0
	6	59989.82	14895.34	7480.52	1087.421	-160.1998	214.6902	1098.491	1098.491	.006	995.1061	88.58176	44.29088	0
33	7	14563.28	3625.733	7480.52	1087.627	-178.1998	214.6902	1101.548	1101.548	1004.915	999.9147	85.34336	42.67168	0
33	8	14270.15	3507.279	7480.52	1088.088	-237.5998	214.6902	1102.669	1102.669	1007.705	1002.705	86.52272	43.26136	0
	9	13643.02	3500.995	7480.52	1088.544	-273.242	214.6902	1104.456	1104.456	1011.594	1006.594	85.55184	42.77592	0
	10	14459.78	3767.06	7480.52	1089.011	-273.242	214.6902	1106.069	1106.069	1016.597	1011.597	95.36614	47.68307	0
	11	16333.41	4580.534	7480.52	1089.463	-273.242	214.6902	1108.006	1108.006	1021.168	1016.168	111.0145	55.50723	0
	12	22760.12	5966.231	7480.52	1089.852	-273.242	214.6902	1108.15	1108.15	1022.714	1017.714	149.2979	74.64893	0
	13	30780.68	6144.08	7480.52	1090.14	-273.242	214.6902	1103.657	1103.657	1026.616	1021.616	202.97	101.485	0
33	14	25092.59	4399.878	7480.52	1090.358	-273.242	214.6902	1100.075	1100.075	1032.395	1027.395	183.6842	91.84212	0
33	15	13665.04	2529.738	7480.52	1090.624	-273.242	214.6902	1098.77	1098.77	1039.959	1034.959	120.779	60.38948	0
	16	7095.734	1245.05	7480.52	1091.159	-240.2998	214.6902	1099.235	1099.235	1049.749	1044.749	82.48384	41.24192	0
33	17	1881.065	624.5872	7480.52	1092.519	-160.1998	214.6902	1120.639	1120.639	1061.267	1056.267	35.25448	35.25448	0
33	18	1273.113	1101.513	5610.39	1095.688	-160.1998	161.0176	1112.898	1112.898	1067.466	1062.466	34.20358	34.20358	0
	19	745.3304	927.8255	3740.26	1097.471	-136.621	107.3451	1112.935	1112.935	1073.478	1068.478	33.80421	33.80421	0
	20	597.4348	754.0254	3740.26	1099.484	-136.621	107.3451	1117.646	1117.646	1079.72	1074.72	31.75285	31.75285	0
33	21	495.9481	643.4551	3740.26	1101.748	-136.621	107.3451	1121.824	1121.824	1086.394	1081.394	30.94144	30.94144	0
	22	440.489	602.7235	3740.26	1104.09	-136.621	107.3451	1120.867	1120.867	1091.169	1086.169	31.40389	31.40389	0
	23	407.0331	565.09	3740.26	1106.239	-136.621	107.3451	1122.261	1122.261	1094.783	1089.762	33.115	33.30146	0
33	24	366.1578	653.5059	3740.26	1108.133	-136.621	107.3451	1128.657	1128.657	1095.914	1090.789	28.33108	27.40579	0
33	25	762.1666	784.5585	3740.26	1109.494	-136.621	107.3451	1127.847	1127.847	1096.184	1088.653	35.22756	33.83388	0
	26	794.2354	818.4283	3740.26	1110.507	-90.11235	107.3451	1124.921	1124.921	1100.13	1088.558	33.18672	34.97706	0
33	27	828.1577	1749.957	3740.26	1111.605	-90.11235	107.3451	1125.551	1125.551	1102.287	1087.975	31.51768	34.78632	0
33	28	4369.872	2794.558	3740.26	1112.324	-90.11235	107.3451	1132.307	1132.307	1101.566	1086.536	96.2553	104.8986	0
	29	5627.5	4280.118	3740.26	1112.68	-90.11235	107.3451	1138.255	1138.255	1100.024	1084.145	95.89002	105	0
	30	6999.161	4461.344	3740.26	1112.832	-66.82494	107.3451	1137.593	1137.593	1100.247	1082.841	114.4765	105	0
33	31	4306.02	7656.287	3740.26	1113.062	-3.847497	107.3451	1132.539	1132.539	1103.778	1084.108	126.8579	105	0
	32	13785.97	7409.962	3740.26	1113.171	-7.391244	107.3451	1129.521	1129.521	1106.336	1086.136	476.4428	315	0
	33	3308.988	2548.964	3740.26	1113.235	-7.391244	107.3451	1130.573	1130.573	1107.715	1088.396	130.5107	105	0
33	34	2600.702	1754.418	3740.26	1113.423	-7.391244	107.3451	1137.072	1137.072	1109.354	1088.573	15.16787	105.3598	0
33	35	1297.429	1168.342	3740.26	1113.714	-7.391244	107.3451	1142.029	1142.029	1110.553	1088.864	7.06953	52.51479	0
	36	1126.946	706.8419	3740.26	1114.156	-7.391244	107.3451	1142.889	1142.889	1108.948	1088.812	4.219737	52.5	0
	37	288.2322	240.8367	3740.26	1114.879	-7.391244	107.3451	1144.081	1144.081	1101.644	1088.548	.701868	17.5	0
33	38	156.8622	149.5701	3740.26	1116.914	-22.17373	107.3451	1143.534	1143.534	1098.226	1090.262	.424494	17.44188	0
	39	80.32721	90.41415	3740.26	1120.131	-39.41997	107.3451	1143.275	1143.275	1097.206	1092.094	.227454	9.777653	0
	40	119.8353	38.77585	5610.39	1124.808	-70.07994	161.0176	1141.434	1141.434	1094.967	1089.967	.820466	.820466	0

33	41	162.0979	38.04734	7480.52	1131.867	-70.07994	214.6902	1140.045	1140.045	1092.872	1087.872	.690005	.690005	0
	42	137.2703	32.36785	7480.52	1135.612	-70.07994	214.6902	1139.402	1139.402	1093.148	1088.148	.549028	.549028	0
	43	113.0966	28.05051	7480.52	1136.816	-70.07994	214.6902	1138.483	1138.483	1095.492	1090.492	.153133	.153133	0
33	44	115.851	28.0952	7480.52	1135.079	-52.55998	214.6902	1134.358	1134.358	1097.045	1092.045	.185313	.185313	5
33	45	114.0738	29.09036	7480.52	1136.91	-35.03998	214.6902	1138.187	1138.187	1097.153	1092.153	.154702	.154702	0
	46	124.8158	31.57834	7480.52	1138.097	-35.03998	214.6902	1140.716	1140.716	1097.922	1092.922	.166335	1.01764	0
33	47	135.7985	34.67593	7480.52	1138.759	-35.03998	214.6902	1142.686	1142.686	1098.674	1093.674	.183779	1.837785	0
33	48	152.7699	37.7826	7480.52	1138.968	-35.03998	214.6902	1143.705	1143.705	1100.746	1095.746	.26713	2.671298	0
	49	163.0022	40.21673	7480.52	1138.891	-26.27998	214.6902	1145.756	1145.756	1101.508	1096.508	.324848	3.248476	0
	50	167.6553	41.14176	7480.52	1138.657	-9.119992	214.6902	1149.795	1149.795	1101.305	1096.306	.378804	3.808018	0
33	51	163.341	37.19871	7480.52	1138.533	-9.119992	214.6902	1150.452	1150.452	1100.782	1095.857	.399843	3.478115	0
33	52	134.6162	33.84952	7480.52	1138.414	-26.27998	214.6902	1151.292	1151.292	1100.292	1095.292	.409858	.400711	0
	53	138.6446	33.60686	7480.52	1137.826	-52.55998	214.6902	1148.43	1148.43	1099.208	1094.208	.41	.668381	0
33	54	134.3679	32.672	7480.52	1135.776	-70.07994	214.6902	1142.317	1142.317	1098.56	1093.56	.41	.352695	0
33	55	129.4729	31.88284	7480.52	1131.624	-70.07994	214.6902	1131.533	1131.533	1098.732	1093.732	.41	.41	0
	56	125.6148	31.03763	7480.52	1126.54	-70.07994	214.6902	1126.555	1126.555	1096.844	1091.844	.41	.41	0
	57	122.5361	30.34873	7480.52	1121.61	-70.07994	214.6902	1121.097	1121.097	1095.109	1090.109	.41	.41	0
33	58	120.86	30.59357	7480.52	1117.807	-36.47998	40000	1117.8	1116.8	1092.721	1087.721	.41	.41	12
	59	124.2885	31.53107	7480.52	1121.94	-70.07994	214.6902	1124.879	1124.879	1090.889	1085.889	.41	.41	0
	60	127.6186	32.23535	7480.52	1125.391	-70.07994	214.6902	1130.153	1130.153	1089.515	1084.515	.41	.41	0
33	61	129.8828	32.65224	7480.52	1127.569	-70.07994	214.6902	1132.536	1132.536	1088.341	1083.341	.41	.41	0
33	62	131.054	32.7341	7480.52	1128.342	-70.07994	214.6902	1136.979	1136.979	1087.227	1082.227	.41	.41	0
	63	130.753	32.41608	7480.52	1127.421	-70.07994	214.6902	1142.646	1142.646	1086.401	1081.401	.41	.41	0
	64	128.8028	32.15112	7480.52	1124.504	-70.07994	40000	1124.5	1123.5	1085.723	1080.723	.41	.41	20
34	1	19588.37	4809.935	7480.52	1088.704	0	40000	1088.8	1087.8	983.5146	978.5146	91.50474	45.75237	19
	2	18384.57	4613.695	7480.52	1087.85	0	214.6902	1090.002	1090.002	987.3558	982.3558	90.6369	45.31845	0
	3	17826.53	4408.88	7480.52	1086.815	0	214.6902	1085.5	1085.5	989.4854	984.4854	90.83376	45.41688	0
34	4	16561.05	4190.498	7480.52	1086.966	-160.1998	214.6902	1092.465	1092.465	993.6967	988.6967	88.90644	44.45322	0
	5	16084.04	3982.67	7480.52	1087.269	-160.1998	214.6902	1096.464	1096.464	996.532	991.532	87.87154	43.93577	0
	6	15052.48	3742.937	7480.52	1087.477	-240.2998	214.6902	1098.901	1098.901	1000.66	995.6603	86.00458	43.00229	0
	7	14397.81	3582.624	7480.52	1087.853	-237.5998	214.6902	1100.071	1100.071	1005.035	1000.035	84.76762	42.38381	0
	8	13881.73	3471.013	7480.52	1088.306	-237.5998	214.6902	1102.862	1102.862	1008.238	1003.238	85.24958	42.62479	0
	9	13505.54	3524.705	7480.52	1088.783	-273.242	214.6902	1106.112	1106.112	1012.524	1007.524	86.138	43.069	0
	10	14555.28	3931.237	7480.52	1089.269	-273.242	214.6902	1108.263	1108.263	1017.057	1012.057	97.06226	48.53113	0
34	11	17152.53	5192.848	7480.52	1089.731	-273.242	214.6902	1108.067	1108.067	1021.321	1016.321	118.578	59.28898	0
	12	26237.08	7418.968	7480.52	1090.108	-273.242	214.6902	1096.929	1096.929	1023.029	1018.029	176.7325	88.36623	0
	13	38194.65	7824.236	7480.52	1090.373	-273.242	214.6902	1094.884	1094.884	1027.141	1022.141	263.3642	131.6821	0
34	14	31081.51	5289.529	7480.52	1090.583	-273.242	214.6902	1106.75	1106.75	1033.367	1028.367	233.0278	116.5139	0
34	15	15452.83	2660.456	7480.52	1090.846	-273.242	214.6902	1104.033	1104.033	1041.305	1036.305	137.7713	68.88566	0
	16	6865.935	999.1502	7480.52	1091.359	-240.2998	214.6902	1101.31	1101.31	1051.698	1046.698	80.538	40.269	0
34	17	1053.839	270.0501	7480.52	1092.614	-160.1998	214.6902	1114.544	1114.544	1063.421	1058.421	15.20732	15.20732	0
34	18	721.2722	492.5597	5610.39	1096.234	-160.1998	161.0176	1112.69	1112.69	1069.498	1064.498	14.98285	14.98285	0
	19	433.2991	414.9396	3740.26	1098.143	-136.621	107.3451	1117.929	1117.929	1075.577	1070.577	15.31927	15.31927	0
	20	363.6104	339.3575	3740.26	1100.24	-136.621	107.3451	1123.407	1123.407	1081.651	1076.651	13.46717	13.46717	0
34	21	298.5533	292.9819	3740.26	1102.54	-136.621	107.3451	1123.429	1123.429	1087.615	1082.615	13.48034	13.48034	0
	22	251.5864	244.7985	3740.26	1104.885	-136.621	107.3451	1123.395	1123.395	1092.157	1087.157	12.56349	12.56349	0
	23	220.4719	208.101	3740.26	1107.178	-136.621	107.3451	1127.318	1127.318	1096.089	1091.2	10.66776	10.67008	0
34	24	213.3127	474.8186	3740.26	1109.486	-136.621	107.3451	1130.654	1130.654	1096.424	1091.58	8.252865	8.3908	0
34	25	749.6765	771.8436	3740.26	1110.677	-136.621	107.3451	1128.519	1128.519	1098.988	1090.29	34.1772	35.00188	0
	26	786.4864	803.9647	3740.26	1111.496	-90.11235	107.3451	1128.354	1128.354	1102.862	1089.935	34.31032	34.52922	0
34	27	843.2772	3448.073	3740.26	1112.455	-90.11235	107.3451	1130.321	1130.321	1104.435	1088.298	27.90868	33.7614	0
34	28	6663.425	7202.814	3740.26	1112.752	0	107.3451	1126.293	1126.293	1099.72	1084.94	339.9622	108.1802	0
	29	5870.998	8346.543	3740.26	1112.918	0	107.3451	1132.014	1132.014	1095.238	1081.63	387.2686	105	0
	30	6539.167	6843.837	3740.26	1113.072	0	107.3451	1136.052	1136.052	1095.898	1079.552	251.5608	105	0
34	31	4200.427	10435.7	3740.26	1113.268	0	107.3451	1134.818	1134.818	1102.677	1082.147	294.1704	105	0
	32	13788.03	9684.995	3740.26	1113.38	0	107.3451	1131.304	1131.304	1108.404	1083.946	1097.282	315	0
	33	3385.775	3360.726	3740.26	1113.461	0	107.3451	1131.219	1131.219	1109.55	1085.925	329.0104	105	0
34	34	2853.577	2143.713	3740.26	1113.664	0	107.3451	1135.837	1135.837	1110.308	1087.211	101.2521	108.8113	0
34	35	1397.701	1256.034	3740.26	1113.938	0	107.3451	1139.461	1139.461	1110.765	1087.779	36.95325	53.0685	0
	36	1025.029	708.3368	3740.26	1114.369	0	107.3451	1142.707	1142.707	1105.847	1088.378	18.94563	52.49439	0

34	37	233.2443	204.2577	3740.26	1115.124	-90.11235	107.3451	1143.304	1143.304	1098.727	1088.033	3.129604	17.83623	0
34	38	90.65906	87.61932	3740.26	1117.287	-22.17373	107.3451	1143.477	1143.477	1096.294	1090.225	.409759	10.14509	0
	39	55.90725	69.80325	3740.26	1121.643	-39.41997	107.3451	1143.026	1143.026	1093.751	1088.774	.221566	.500098	0
34	40	128.8261	41.69371	5610.39	1126.503	-70.07994	161.0176	1140.698	1140.698	1089.495	1084.495	.850762	.850762	0
34	41	176.241	36.79472	7480.52	1132.636	-70.07994	214.6902	1139.709	1139.709	1089.742	1084.742	.765846	.765846	0
	42	116.3021	30.22389	7480.52	1136.186	-70.07994	214.6902	1138.989	1138.989	1091.856	1086.856	.317343	.317343	0
	43	118.7697	29.1864	7480.52	1137.417	-70.07994	214.6902	1138.226	1138.226	1094.697	1089.697	.196184	.196184	0
34	44	122.5485	29.386	7480.52	1135.577	-52.55998	214.6902	1134.078	1134.078	1096.417	1091.417	.238879	.238879	5
34	45	119.3983	30.63204	7480.52	1137.76	-18.23998	214.6902	1138.664	1138.664	1097.139	1092.139	.21148	.21148	0
	46	132.845	33.57523	7480.52	1139.101	-35.03998	214.6902	1141.135	1141.135	1098.007	1093.007	.212492	1.293302	0
34	47	146.2155	37.46616	7480.52	1139.769	-35.03998	214.6902	1143.066	1143.066	1098.86	1093.86	.231641	2.316408	0
34	48	165.191	41.16042	7480.52	1139.923	-13.67999	214.6902	1145.8	1145.8	1100.778	1095.778	.338537	3.385374	0
	49	176.1483	42.44765	7480.52	1139.876	-9.119992	214.6902	1147.69	1147.69	1101.445	1096.445	.399081	3.990812	0
	50	183.1949	41.60732	7480.52	1139.708	-9.119992	214.6902	1149.661	1149.661	1101.075	1096.049	.408026	3.881359	0
34	51	174.0547	37.2906	7480.52	1139.578	-9.119992	214.6902	1150.296	1150.296	1100.793	1095.793	.427975	3.093835	0
	52	151.2288	34.46568	7480.52	1139.489	-26.27998	214.6902	1151.022	1151.022	1099.624	1094.624	.409688	.39465	0
	53	151.599	34.64626	7480.52	1138.827	-52.55998	214.6902	1148.894	1148.894	1099.628	1094.628	.41	.988632	0
34	54	143.4848	33.28819	7480.52	1136.693	-70.07994	214.6902	1142.891	1142.891	1099.221	1094.221	.41	.749891	0
34	55	129.7191	31.88908	7480.52	1131.998	-70.07994	214.6902	1131.517	1131.517	1098.326	1093.326	.41	.41	0
	56	125.7292	31.0001	7480.52	1126.019	-70.07994	214.6902	1124.577	1124.577	1096.826	1091.826	.41	.41	0
	57	122.9202	30.50031	7480.52	1121.572	-70.07994	214.6902	1120.458	1120.458	1094.732	1089.732	.41	.41	0
34	58	121.771	30.69355	7480.52	1118.905	-70.07994	40000	1118.9	1117.9	1092.238	1087.238	.41	.41	12
	59	123.5703	31.4457	7480.52	1121.377	-70.07994	214.6902	1125.357	1125.357	1090.468	1085.468	.41	.41	0
	60	127.0547	32.14	7480.52	1124.712	-70.07994	214.6902	1128.382	1128.382	1089.1	1084.1	.41	.41	0
34	61	129.3875	32.58195	7480.52	1126.89	-70.07994	214.6902	1127.502	1127.502	1087.882	1082.882	.41	.41	0
34	62	130.8055	32.71764	7480.52	1127.867	-70.07994	214.6902	1135.858	1135.858	1086.728	1081.728	.41	.41	0
	63	130.7763	32.47288	7480.52	1127.226	-70.07994	214.6902	1142.457	1142.457	1085.856	1080.856	.41	.41	0
34	64	129.1587	32.25029	7480.52	1124.703	-70.07994	40000	1124.7	1123.7	1085.139	1080.139	.41	.41	20
35	1	14273.17	4683.3	7480.52	1088.352	0	40000	1088.4	1087.4	983.9675	978.9675	90.60596	45.30298	19
	2	13285.01	4439.08	7480.52	1087.549	0	214.6902	1088.553	1088.553	987.7569	982.7569	87.96412	43.98206	0
	3	12710.56	4188.017	7480.52	1086.213	0	40000	1085.8	1084.8	989.9391	984.9391	88.14376	44.07188	16
	4	11897.71	3970.775	7480.52	1086.885	-160.1998	214.6902	1092.887	1092.887	994.2056	989.2056	83.97278	41.98639	0
	5	11464.82	3801.46	7480.52	1087.316	-240.2998	214.6902	1097.253	1097.253	997.0358	992.0358	84.4551	42.22755	0
	6	10941.57	3619.636	7480.52	1087.647	-273.242	214.6902	1098.337	1098.337	1001.209	996.2089	82.2335	41.11675	0
35	7	10491.57	3487.262	7480.52	1088.049	-273.242	214.6902	1100.124	1100.124	1005.772	1000.772	83.82786	41.91393	0
35	8	10181.13	3375.806	7480.52	1088.509	-273.242	214.6902	1102.505	1102.505	1008.623	1003.623	82.32746	41.16373	0
	9	9824.939	3490.501	7480.52	1089	-273.242	214.6902	1107.864	1107.864	1012.682	1007.682	84.4908	42.2454	0
35	10	11064.4	3995.715	7480.52	1089.5	-273.242	214.6902	1110.768	1110.768	1017.252	1012.252	96.85328	48.42664	0
35	11	13603.72	5654.553	7480.52	1089.962	-273.242	214.6902	1112.557	1112.557	1021.336	1016.336	122.014	61.00702	0
3	12	22355.52	8688.964	7480.52	1090.319	-273.242	214.6902	1109.073	1109.073	1023.2	1018.2	199.2795	99.63974	0
3	13	33999.85	9494.803	7480.52	1090.563	-273.242	214.6902	1095.166	1095.166	1027.38	1022.38	316.8968	158.4484	0
35	14	28205.83	6344.054	7480.52	1090.765	-273.242	214.6902	1101.293	1101.293	1033.771	1028.771	287.3328	143.6664	0
3	15	13491.63	2919.234	7480.52	1091.025	-273.242	214.6902	1100.378	1100.378	1042.383	1037.383	160.5027	80.25137	0
3	16	5449.06	980.7935	7480.52	1091.546	-240.2998	214.6902	1101.319	1101.319	1053.011	1048.011	82.6463	41.32315	0
35	17	994.2964	233.8338	7480.52	1092.892	-160.1998	214.6902	1113.139	1113.139	1064.956	1059.956	13.66656	13.66656	0
35	18	657.4671	421.5875	5610.39	1097.026	-160.1998	161.0176	1115.072	1115.072	1071.06	1066.06	12.91288	12.91288	0
3	19	392.9785	381.9698	3740.26	1099.142	-136.621	107.3451	1121.976	1121.976	1076.964	1071.964	13.07572	13.07572	0
35	20	333.2573	322.8062	3740.26	1101.349	-136.621	107.3451	1124.381	1124.381	1082.576	1077.576	13.38298	13.38298	0
35	21	260.9178	257.1577	3740.26	1103.71	-136.621	107.3451	1123.39	1123.39	1088.035	1083.035	11.35277	11.35277	0
3	22	226.1681	227.2598	3740.26	1106.229	-136.621	107.3451	1124.61	1124.61	1092.524	1087.492	9.86319	9.86012	0
35	23	231.7255	225.6837	3740.26	1108.655	-136.621	107.3451	1129.337	1129.337	1092.476	1088.524	8.616565	8.70272	0
35	24	239.3361	488.1707	3740.26	1110.763	-136.621	107.3451	1129.948	1129.948	1096.835	1089.875	8.634165	8.75162	0
35	25	774.5862	764.3193	3740.26	1111.604	-136.621	107.3451	1131.044	1131.044	1100.872	1091.463	34.34466	35.00324	0
35	26	780.7233	825.7988	3740.26	1112.203	-90.11235	107.3451	1132.104	1132.104	1104.856	1091.137	34.43506	34.9811	0
35	27	883.6579	4058.628	3740.26	1112.867	-90.11235	107.3451	1133.879	1133.879	1106.151	1089.049	28.45626	36.85808	0
35	28	5462.634	5331.608	3740.26	1113.001	0	107.3451	1132.487	1132.487	1096.556	1082.692	346.468	108.1543	0
	29	2716.985	4063.621	3740.26	1113.121	0	107.3451	1129.694	1129.694	1088.253	1077.668	90.77976	105	0
35	30	4627.666	3895.756	3740.26	1113.318	0	107.3451	1132.367	1132.367	1089.444	1075.798	41.49638	105	0
35	31	2655.704	7552.75	3740.26	1113.505	0	107.3451	1134.146	1134.146	1099.104	1078.533	60.65772	105	0
35	32	10484.44	7488.806	3740.26	1113.611	0	107.3451	1134.251	1134.251	1109.424	1081.476	208.1412	315	0

35	33	2803.521	2878.626	3740.26	1113.702	0	107.3451	1133.921	1133.921	1109.669	1085.783	97.98708	105	0
	34	2698.182	2107.565	3740.26	1113.914	0	107.3451	1138.264	1138.264	1110.225	1087.861	105.1858	105.8753	0
	35	1259.545	1166.696	3740.26	1114.171	0	107.3451	1138.756	1138.756	1110.609	1087.337	38.4807	52.62333	0
35	36	797.2262	549.9368	3740.26	1114.605	0	107.3451	1142.625	1142.625	1100.628	1089.15	18.90932	53.20431	0
	37	153.2107	119.6457	3740.26	1115.434	-90.11235	107.3451	1143.216	1143.216	1097.435	1091.246	3.175224	11.42867	0
	38	62.46739	58.94698	3740.26	1118.342	-22.17373	107.3451	1142.689	1142.689	1094.065	1089.047	.400612	.988881	0
35	39	55.87297	71.98809	3740.26	1123.859	-39.41997	107.3451	1141.911	1141.911	1086.933	1081.933	.211658	.135305	0
35	40	122.248	45.30858	5610.39	1128.182	-70.07994	161.0176	1139.676	1139.676	1082.181	1077.181	.848171	.848171	0
	41	163.4124	36.34105	7480.52	1133.654	-70.07994	214.6902	1139.06	1139.06	1085.906	1080.906	.871317	.871317	5
	42	112.0238	28.54407	7480.52	1137.064	-70.07994	214.6902	1138.617	1138.617	1090.938	1085.938	.108708	.108708	0
35	43	127.0394	31.14316	7480.52	1138.164	-70.07994	214.6902	1138.381	1138.381	1094.517	1089.517	.266646	.266646	0
	44	129.7985	31.1007	7480.52	1137.284	-52.55998	214.6902	1137.112	1137.112	1096.298	1091.298	.322474	.322474	5
	45	125.9266	32.42878	7480.52	1138.611	-18.23998	214.6902	1140	1140	1097.235	1092.235	.26374	.26374	0
35	46	142.9823	36.18989	7480.52	1139.919	-35.03998	214.6902	1141.585	1141.585	1098.426	1093.426	.27489	1.657591	0
35	47	159.0769	40.38546	7480.52	1140.58	-26.27998	214.6902	1143.804	1143.804	1099.484	1094.484	.294221	2.94221	0
	48	176.5278	44.17442	7480.52	1140.768	-9.119992	214.6902	1146.825	1146.825	1101.207	1096.207	.400737	4.007373	0
35	49	188.5146	47.38816	7480.52	1140.764	-9.119992	214.6902	1148.465	1148.465	1101.747	1096.747	.465995	4.659947	0
35	50	203.0701	47.7051	7480.52	1140.61	-9.119992	214.6902	1149.362	1149.362	1101.472	1096.472	.546229	5.462294	0
	51	195.3158	44.03028	7480.52	1140.494	-9.119992	214.6902	1149.793	1149.793	1101.129	1096.129	.513687	4.531908	0
	52	189.8289	41.24127	7480.52	1140.401	-26.27998	214.6902	1149.763	1149.763	1101.393	1096.393	.409799	3.604855	0
35	53	172.6591	39.12471	7480.52	1139.734	-52.55998	214.6902	1148.983	1148.983	1100.854	1095.854	.430238	3.011311	0
	54	155.4842	35.01279	7480.52	1137.638	-70.07994	214.6902	1143.957	1143.957	1100.463	1095.463	.41	2.099555	0
	55	130.3316	31.973	7480.52	1132.893	-70.07994	214.6902	1132.372	1132.372	1100.363	1095.363	.41	.420373	0
35	56	126.3619	31.16226	7480.52	1126.983	-70.07994	214.6902	1126.319	1126.319	1097.18	1092.18	.41	.41	0
35	57	123.3188	30.6725	7480.52	1122.449	-70.07994	214.6902	1122.057	1122.057	1094.909	1089.909	.41	.41	0
	58	121.3341	30.64177	7480.52	1119.599	-70.07994	40000	1119.6	1118.6	1091.838	1086.838	.41	.41	12
	59	122.9824	31.21055	7480.52	1120.009	-70.07994	40000	1120	1119	1090.522	1085.522	.41	.41	12
35	60	126.1406	31.97054	7480.52	1123.755	-70.07994	214.6902	1127.297	1127.297	1088.982	1083.982	.41	.41	0
	61	128.8184	32.46629	7480.52	1125.962	-70.07994	214.6902	1125.66	1125.66	1087.524	1082.524	.41	.41	0
	62	130.3755	32.67781	7480.52	1127.26	-70.07994	214.6902	1134.682	1134.682	1086.253	1081.253	.41	.41	0
	63	130.7004	32.51089	7480.52	1126.96	-70.07994	214.6902	1141.889	1141.889	1085.339	1080.339	.41	.41	0
	64	129.4639	32.32908	7480.52	1124.803	-70.07994	40000	1124.8	1123.8	1084.556	1079.556	.41	.41	20
	1	8758.254	2206.247	7480.52	1088	0	40000	1088	1087	984.2912	979.2912	41.7516	41.7516	19
36	2	8221.795	2059.815	7480.52	1087.297	0	214.6902	1087.22	1087.22	988.0763	983.0763	40.63845	40.63845	0
36	3	7816.103	1964.051	7480.52	1085.978	0	40000	1085.8	1084.8	990.0685	985.0685	39.16177	39.16177	16
	4	7566.842	1869.858	7480.52	1086.851	-240.2998	214.6902	1093.745	1093.745	994.7834	989.7834	39.67236	39.67236	0
	5	7174.452	1800.14	7480.52	1087.402	-273.242	214.6902	1099.673	1099.673	997.9761	992.9761	37.84303	37.84303	0
36	6	7071.769	1738.651	7480.52	1087.838	-273.242	214.6902	1098.15	1098.15	1001.817	996.8168	39.22744	39.22744	0
	7	6671.414	1680.913	7480.52	1088.278	-237.5998	214.6902	1096.943	1096.943	1006.012	1001.012	38.11021	38.11021	0
	8	6627.407	1625.712	7480.52	1088.755	-237.5998	214.6902	1101.409	1101.409	1009.128	1004.128	39.44426	39.44426	0
36	9	6270.021	1731.834	7480.52	1089.261	-273.242	214.6902	1106.337	1106.337	1012.972	1007.972	38.17813	38.17813	0
36	10	7692.943	2171.316	7480.52	1089.77	-273.242	214.6902	1112.759	1112.759	1017.461	1012.461	48.64579	48.64579	0
	11	10277.82	3335.257	7480.52	1090.22	-273.242	214.6902	1116.996	1116.996	1021.366	1016.366	65.79993	65.79993	0
36	12	18453.84	5399.878	7480.52	1090.55	-273.242	214.6902	1108.153	1108.153	1023.384	1018.384	116.6099	116.6099	0
36	13	29759.66	6056.617	7480.52	1090.773	-273.242	214.6902	1095.847	1095.847	1027.379	1022.379	191.7824	191.7824	0
	14	25360.57	4080.31	7480.52	1090.965	-273.242	214.6902	1100.012	1100.012	1033.897	1028.897	177.8679	177.8679	0
	15	11614.97	1815.937	7480.52	1091.22	-273.242	214.6902	1098.381	1098.381	1043.083	1038.083	98.01485	98.01485	0
36	16	4300.517	630.0457	7480.52	1091.774	-240.2998	214.6902	1100.712	1100.712	1053.991	1048.991	46.23891	46.23891	0
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36	19	357.925	344.266	3740.26	1100.018	-136.621	107.3451	1124.905	1124.905	1077.9	1072.9	12.58029	12.58029	0
36	20	286.5724	271.369	3740.26	1102.387	-136.621	107.3451	1126.347	1126.347	1082.984	1077.984	10.51863	10.51863	0
	21	245.2299	229.9282	3740.26	1104.959	-136.621	107.3451	1125.072	1125.072	1087.919	1082.919	8.76902	8.76902	0
36	22	223.7579	230.6338	3740.26	1107.544	-136.621	107.3451	1128.529	1128.529	1092.93	1087.906	8.74597	8.74158	0
36	23	245.5071	245.3779	3740.26	1109.793	-136.621	107.3451	1132.069	1132.069	1092.079	1087.453	8.65247	8.747195	0
	24	252.415	525.7517	3740.26	1111.594	-136.621	107.3451	1132.028	1132.028	1096.63	1088.32	8.582895	8.75	0
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3	64	130.0108	32.48615	7480.52	1125.103	-70.07994	40000	1125.1	1124.1	1083.599	1078.599	.41	.41	20	
3	1	8079.85	1991.061	7480.52	1087.308	0	40000	1087.3	1086.3	985.3713	980.3713	37.7924	37.7924	19	
38	2	7773.059	1926.025	7480.52	1086.879	0	214.6902	1088.405	1088.405	989.1871	984.1871	37.7	37.7	0	
3	3	7572.187	1862.802	7480.52	1086.146	0	214.6902	1085.5	1085.5	991.1457	986.1457	37.80021	37.80021	0	
3	4	7269.93	1800.758	7480.52	1086.89	-273.242	214.6902	1095.748	1095.748	995.9436	990.9436	37.7	37.7	0	
38	5	7085.907	1749.249	7480.52	1087.665	-273.242	214.6902	1103.151	1103.151	999.0345	994.0345	37.70368	37.70368	0	
3	6	6867.849	1686.448	7480.52	1088.345	-273.242	214.6902	1099.236	1099.236	1002.903	997.9026	37.7	37.7	0	
3	7	6612.479	1638.004	7480.52	1088.888	-237.5998	214.6902	1094.628	1094.628	1006.991	1001.991	37.71573	37.71573	0	
38	8	6492.153	1584.89	7480.52	1089.399	-237.5998	214.6902	1099.492	1099.492	1010.039	1005.039	38.10358	38.10358	0	
38	9	6179.204	1780.2	7480.52	1089.926	-273.242	214.6902	1106.277	1106.277	1013.835	1008.835	37.7784	37.7784	0	
3	10	8118.339	2453.426	7480.52	1090.397	-273.242	214.6902	1114.801	1114.801	1017.878	1012.878	51.52295	51.52295	0	
3	11	11772.26	4307.469	7480.52	1090.766	-273.242	214.6902	1122.786	1122.786	1021.374	1016.374	77.35785	77.35785	0	
38	12	23769.1	8111.009	7480.52	1091.009	-273.242	214.6902	1126.161	1126.161	1023.321	1018.321	156.9573	156.9573	0	
3	13	47384.81	10041.13	7480.52	1091.18	-273.242	214.6902	1098.409	1098.409	1026.933	1021.933	302.797	302.797	0	
3	14	44674.51	6722.512	7480.52	1091.34	-273.242	214.6902	1098.87	1098.87	1033.63	1028.63	305.0086	305.0086	0	
38	15	16410.69	2572.44	7480.52	1091.574	-273.242	214.6902	1099.251	1099.251	1043.65	1038.65	145.295	145.295	0	
3	16	5131.667	760.6462	7480.52	1092.181	-240.2998	214.6902	1103.849	1103.849	1055.457	1050.457	60.45254	60.45254	0	
3	17	929.5796	211.2717	7480.52	1093.938	-160.1998	214.6902	1119.404	1119.404	1067.887	1062.887	14.08865	14.08865	0	
38	18	545.2934	335.7856	5610.39	1099.146	-160.1998	161.0176	1122.465	1122.465	1072.696	1067.696	10.21599	10.21599	0	
38	19	305.6443	289.5714	3740.26	1101.859	-136.621	107.3451	1128.592	1128.592	1078.468	1073.468	9.216855	9.216855	0	
3	20	273.0364	262.4203	3740.26	1104.589	-136.621	107.3451	1130.579	1130.579	1084.174	1079.174	8.90842	8.90842	0	

3	21	252.3714	250.4052	3740.26	1107.163	-136.621	107.3451	1135.605	1135.605	1088.854	1083.802	8.784905	8.778785	0
3	22	256.2652	254.8059	3740.26	1109.422	-136.621	107.3451	1137.828	1137.828	1090.111	1086.195	8.63099	8.739935	0
3	23	268.1802	265.1921	3740.26	1111.213	-136.621	107.3451	1138.531	1138.531	1092.026	1086.173	8.458005	8.74925	0
38	24	244.152	467.6282	3740.26	1112.621	-136.621	107.3451	1137.677	1137.677	1096.63	1086.897	8.528235	8.75	0
3	25	615.0302	635.7899	3740.26	1113.17	-13.13999	107.3451	1138.148	1138.148	1099.048	1087.956	16.26497	35	0
1	26	595.3643	608.9517	3740.26	1113.574	-3.847497	107.3451	1138.67	1138.67	1103.722	1088.606	2.892322	35	0
3	27	595.9197	1381.509	3740.26	1113.972	-3.847497	107.3451	1138.795	1138.795	1104.535	1089.187	2.856526	35	0
3	28	1968.19	2356.278	3740.26	1114.157	0	107.3451	1138.767	1138.767	1105.76	1088.548	35.1389	105	0
3	29	2334.309	3664.084	3740.26	1114.317	0	107.3451	1137.233	1137.233	1108.76	1086.835	38.07948	105	0
38	30	4802.127	3685.61	3740.26	1114.43	0	107.3451	1134.97	1134.97	1106.084	1087.141	44.21512	105	0
38	31	2426.308	6387.275	3740.26	1114.525	0	107.3451	1133.699	1133.699	1106.318	1086.015	51.78808	105	0
3	32	9242.039	6289.947	3740.26	1114.573	0	107.3451	1133.256	1133.256	1107.346	1086.692	174.1	315	0
3	33	2193.914	2189.514	3740.26	1114.642	0	107.3451	1132.644	1132.644	1109.32	1089.798	58.4628	105	0
38	34	1786.332	1321.411	3740.26	1114.858	0	107.3451	1137.276	1137.276	1105.095	1091.679	52.30226	105	0
3	35	599.5411	520.464	3740.26	1115.241	0	107.3451	1140.755	1140.755	1097.304	1092.174	20.22754	51.09051	0
3	36	357.7817	257.4345	3740.26	1116.243	0	107.3451	1141.86	1141.86	1094.225	1089.231	13.25299	5.352621	0
38	37	148.3031	107.5852	3740.26	1118.215	-14.78249	107.3451	1139.862	1139.862	1085.001	1080.001	2.951468	.737867	0
3	38	68.00826	64.72798	3740.26	1122.475	-44.34746	107.3451	1138.644	1138.644	1079.643	1074.643	.462442	.462442	4
3	39	63.87085	59.95404	3740.26	1128.359	-78.83994	107.3451	1138.471	1138.471	1078.054	1073.054	.316602	.316602	0
3	40	91.67435	30.36507	5610.39	1132.932	-140.1599	161.0176	1138.5	1138.5	1079.218	1074.218	.215707	.215707	0
38	41	154.144	33.51478	7480.52	1137.591	-140.1599	214.6902	1138.5	1138.5	1089.572	1084.572	.313946	.313946	5
3	42	169.9273	36.56438	7480.52	1138.926	-140.1599	214.6902	1138.5	1138.5	1096.404	1091.404	.455721	.455721	5
3	43	177.2578	38.24734	7480.52	1139.124	-140.1599	214.6902	1138.5	1138.5	1098.507	1093.507	.591197	.591197	0
38	44	164.1472	37.51299	7480.52	1139.039	-78.83992	214.6902	1138.5	1138.5	1099.249	1094.249	.621279	.614215	0
3	45	155.8367	40.02449	7480.52	1139.409	-35.03996	214.6902	1138.697	1138.697	1099.765	1094.765	.541874	.457049	0
3	46	185.7885	46.03938	7480.52	1141.201	-35.03996	214.6902	1141.115	1141.115	1100.531	1095.531	.52066	3.278552	6
38	47	203.8523	51.42835	7480.52	1142.141	-35.03996	214.6902	1142.106	1142.106	1101.324	1096.302	.528757	5.161501	0
38	48	225.6984	54.93118	7480.52	1142.609	-35.03996	214.6902	1145.529	1145.529	1101.853	1097.144	.576493	7.493715	0
3	49	229.5875	54.47517	7480.52	1142.763	-35.03996	214.6902	1146.913	1146.913	1101.949	1097.241	.605006	7.778843	0
3	50	217.0643	53.48537	7480.52	1142.626	-9.119992	214.6902	1148.173	1148.173	1101.704	1096.704	.627483	6.274834	0
3	51	214.6883	53.55214	7480.52	1142.556	-9.119992	214.6902	1148.652	1148.652	1101.55	1096.55	.631866	6.318661	0
3	52	214.528	53.33899	7480.52	1142.464	-26.27998	214.6902	1148.501	1148.501	1101.818	1096.818	.632102	6.321023	0
3	53	213.6826	50.19334	7480.52	1141.995	-52.55998	214.6902	1149.28	1149.28	1101.052	1096.052	.624103	6.241029	0
38	54	194.957	40.24538	7480.52	1140.388	-70.07994	214.6902	1145.579	1145.579	1100.38	1095.38	.574636	4.40561	0
3	55	148.8689	32.80913	7480.52	1136.563	-70.07994	214.6902	1136.487	1136.487	1099.432	1094.432	.410077	.415658	0
3	56	137.0949	31.70652	7480.52	1129.1	-70.07994	214.6902	1127.54	1127.54	1097.574	1092.574	.434231	.434231	0
38	57	126.9024	30.88065	7480.52	1123.609	-70.07994	214.6902	1122.189	1122.189	1095.435	1090.435	.413992	.413992	0
38	58	123.331	30.80854	7480.52	1120.797	-36.47998	214.6902	1122.582	1122.582	1092.645	1087.645	.41	.41	0
3	59	123.9142	30.99871	7480.52	1120.97	-36.47998	214.6902	1124.008	1124.008	1090.807	1085.807	.41	.41	0
3	60	124.3789	31.38095	7480.52	1121.002	-36.47998	40000	1121	1120	1089.262	1084.262	.41	.41	12
38	61	126.2066	31.85582	7480.52	1123.19	-70.07994	214.6902	1129.116	1129.116	1087.713	1082.713	.41	.41	0
3	62	127.2359	32.25007	7480.52	1124.127	-70.07994	214.6902	1132.595	1132.595	1086.169	1081.169	.41	.41	0
3	63	129.5995	32.49519	7480.52	1125.671	-70.07994	214.6902	1137.442	1137.442	1084.913	1079.913	.41	.41	0
38	64	130.0165	32.51923	7480.52	1125.302	-70.07994	40000	1125.3	1124.3	1083.676	1078.676	.41	.41	20
3	1	8034.147	1972.166	7480.52	1087.159	0	40000	1087.1	1086.1	986.0723	981.0723	37.5892	37.5892	19
3	2	7734.514	1910.287	7480.52	1086.794	0	214.6902	1089.24	1089.24	989.6907	984.6907	37.7	37.7	0
3	3	7520.996	1847.727	7480.52	1086.002	0	40000	1085.9	1084.9	991.8243	986.8243	37.7	37.7	16
39	4	7234.421	1788.201	7480.52	1086.885	-273.242	214.6902	1096.355	1096.355	996.456	991.456	37.7	37.7	0
3	5	7058.266	1739.19	7480.52	1087.787	-273.242	214.6902	1103.718	1103.718	999.9698	994.9698	37.70001	37.70001	0
3	6	6860.809	1683.635	7480.52	1088.594	-273.242	214.6902	1101.06	1101.06	1003.404	998.4037	37.7	37.7	0
39	7	6593.801	1638.154	7480.52	1089.154	-237.5998	214.6902	1097.561	1097.561	1007.272	1002.272	37.7	37.7	0
3	8	6487.251	1582.949	7480.52	1089.669	-237.5998	214.6902	1102.009	1102.009	1010.442	1005.442	38.19198	38.19198	0
3	9	6250.07	1794.186	7480.52	1090.192	-273.242	214.6902	1104.354	1104.354	1014.691	1009.691	37.92604	37.92604	0
39	10	8160.425	2519.223	7480.52	1090.634	-273.242	214.6902	1116.702	1116.702	1018.075	1013.075	52.34903	52.34903	0
39	11	11766.69	4577.871	7480.52	1090.959	-273.242	214.6902	1126.09	1126.09	1021.424	1016.424	79.85189	79.85189	0
3	12	23517.72	9677.469	7480.52	1091.165	-273.242	214.6902	1128.847	1128.847	1023.5	1018.5	169.1814	169.1814	0
3	13	54080.8	12973.7	7480.52	1091.307	-273.242	214.6902	1102.907	1102.907	1026.42	1021.42	377.0215	377.0215	0
39	14	53875.29	8548.787	7480.52	1091.454	-273.242	214.6902	1098.557	1098.557	1033.05	1028.05	401.8098	401.8098	0
	15	17028.85	2813.148	7480.52	1091.686	-273.242	214.6902	1099.996	1099.996	1043.801	1038.801	163.48	163.48	0
	16	4940.849	754.6655	7480.52	1092.343	-240.2998	214.6902	1102.991	1102.991	1056.069	1051.069	61.27181	61.27181	0

39	17	891.9109	202.8876	7480.52	1094.279	-160.1998	214.6902	1119.692	1119.692	1067.246	1062.246	12.70394	12.70394	0
3	18	547.5029	333.3876	5610.39	1099.963	-160.1998	161.0176	1124.992	1124.992	1073.404	1068.404	10.08444	10.08444	0
3	19	305.7206	289.1093	3740.26	1102.803	-136.621	107.3451	1128.596	1128.596	1079.345	1074.345	9.121105	9.121105	0
39	20	271.9439	262.9875	3740.26	1105.564	-136.621	107.3451	1132.682	1132.682	1084.792	1079.792	8.818125	8.818125	0
39	21	258.2381	258.2314	3740.26	1108.059	-136.621	107.3451	1138.253	1138.253	1089.102	1084.22	8.607325	8.61655	0
3	22	275.068	269.6395	3740.26	1110.078	-136.621	107.3451	1138.8	1138.8	1089.278	1084.731	8.51719	8.69915	0
3	23	244.3918	247.1402	3740.26	1111.575	-13.13999	107.3451	1138.48	1138.48	1093.732	1084.884	8.43433	8.75	0
39	24	188.9023	391.554	3740.26	1112.987	-13.13999	107.3451	1138.261	1138.261	1096.12	1085.806	4.820024	8.75	0
3	25	576.1067	574.6046	3740.26	1113.719	-6.839995	107.3451	1137.58	1137.58	1100.954	1087.134	2.558438	35	0
3	26	583.7778	582.3323	3740.26	1114.11	-3.847497	107.3451	1136.448	1136.448	1103.66	1089.153	2.795732	35	0
39	27	551.4539	1182.601	3740.26	1114.44	-3.847497	107.3451	1135.82	1135.82	1105.877	1091.354	2.641902	35	0
3	28	1713.576	1946.22	3740.26	1114.593	0	107.3451	1134.719	1134.719	1108.887	1094.085	31.88328	105	0
3	29	2039.095	3472.351	3740.26	1114.714	0	107.3451	1134.354	1134.354	1112.767	1093.842	36.01612	105	0
39	30	4908.101	3542.824	3740.26	1114.8	0	107.3451	1133.666	1133.666	1111.777	1090.087	40.0349	105	0
39	31	2421.912	5281.071	3740.26	1114.865	0	107.3451	1133.701	1133.701	1108.594	1090.309	44.47192	105	0
3	32	8280.927	5146.006	3740.26	1114.9	0	107.3451	1135.41	1135.41	1107.506	1092.183	138.5603	315	0
3	33	1898.647	1790.732	3740.26	1114.979	0	107.3451	1137.303	1137.303	1110.095	1093.778	43.90572	105	0
39	34	1477.507	1064.462	3740.26	1115.247	0	107.3451	1139.379	1139.379	1104.617	1093.76	38.29622	105.6514	0
3	35	431.9359	436.8589	3740.26	1115.773	0	107.3451	1138.39	1138.39	1096.784	1093.014	15.62947	47.49627	4
3	36	331.2898	248.6503	3740.26	1117.194	0	107.3451	1138.532	1138.532	1091.967	1086.94	11.70019	1.125219	0
39	37	143.5855	108.7261	3740.26	1119.62	-136.621	107.3451	1138.521	1138.521	1083.037	1078.037	2.717344	.679336	0
39	38	69.20477	67.15112	3740.26	1124.238	-136.621	107.3451	1138.488	1138.488	1079.354	1074.354	.476989	.476989	4
3	39	66.8575	65.03305	3740.26	1130.092	-136.621	107.3451	1138.5	1138.5	1080.296	1075.296	.369928	.369928	4
3	40	103.1327	38.72906	5610.39	1134.396	-140.1599	161.0176	1138.515	1138.515	1085.844	1080.844	.346529	.274762	4
39	41	271.0965	47.50304	7480.52	1138.151	-140.1599	214.6902	1138.53	1138.53	1096.58	1091.448	.522504	3.899022	5
3	42	278.0498	50.23189	7480.52	1139.027	-140.1599	214.6902	1138.5	1138.5	1099.082	1094.421	.640329	5.335383	5
3	43	258.7957	47.10393	7480.52	1139.243	-105.12	214.6902	1138.643	1138.643	1099.314	1094.64	.717204	4.993696	0
39	44	202.7656	42.48298	7480.52	1139.332	-52.55996	214.6902	1138.701	1138.701	1100.623	1095.633	.708568	2.054649	0
3	45	189.8033	45.3818	7480.52	1139.841	-35.03996	214.6902	1139.427	1139.427	1100.995	1095.984	.613916	1.868676	0
3	46	217.8806	51.37083	7480.52	1141.508	-35.03996	214.6902	1141.512	1141.512	1101.135	1096.261	.585304	5.234495	6
3	47	229.8279	55.95932	7480.52	1142.444	-35.03996	214.6902	1144.271	1144.271	1101.688	1096.842	.589315	6.803329	0
3	48	237.2114	58.89029	7480.52	1142.934	-18.23998	214.6902	1145.82	1145.82	1101.415	1096.981	.61098	9.466937	6
3	49	234.4928	57.18777	7480.52	1143.163	-18.23998	214.6902	1147.248	1147.248	1101.396	1096.963	.624903	9.606172	0
3	50	218.0181	54.45277	7480.52	1143.147	-9.119992	214.6902	1148.386	1148.386	1101.593	1096.715	.631508	7.041587	0
39	51	215.4117	53.75194	7480.52	1143.144	-9.119992	214.6902	1148.623	1148.623	1101.68	1096.68	.632	6.32	0
3	52	215.5073	53.71366	7480.52	1143.117	-26.27998	214.6902	1149.302	1149.302	1101.659	1096.659	.632	6.320001	0
3	53	215.1561	51.96656	7480.52	1142.695	-52.55998	214.6902	1149.197	1149.197	1101.366	1096.366	.632	6.32	0
39	54	205.935	45.71109	7480.52	1141.213	-70.07994	214.6902	1146.268	1146.268	1100.781	1095.781	.613008	5.242594	0
3	55	187.7997	38.68182	7480.52	1137.825	-70.07994	214.6902	1139.887	1139.887	1099.473	1094.473	.631894	1.772214	0
3	56	153.4585	34.29282	7480.52	1131.133	-70.07994	214.6902	1130.177	1130.177	1097.507	1092.507	.515812	1.244482	0
39	57	133.9452	31.6777	7480.52	1125.534	-70.07994	214.6902	1124.693	1124.693	1095.187	1090.187	.465055	.465055	0
39	58	124.3218	31.00276	7480.52	1122.01	-36.47998	214.6902	1121.514	1121.514	1092.383	1087.383	.409593	.409593	0
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3	63	129.057	32.40881	7480.52	1125.082	-70.07994	214.6902	1134.714	1134.714	1085.131	1080.131	.41	.41	0
39	64	129.972	32.48903	7480.52	1125.402	-70.07994	40000	1125.4	1124.4	1084.184	1079.184	.41	.41	20
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4	2	7704.816	1903.591	7480.52	1086.813	0	214.6902	1090.288	1090.288	990.1492	985.1492	37.7	37.7	0
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40	4	7204.286	1784.97	7480.52	1086.845	-273.242	214.6902	1096.762	1096.762	996.8452	991.8452	37.7	37.7	0
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40	7	6580.337	1632.109	7480.52	1089.401	-237.5998	214.6902	1102.683	1102.683	1007.969	1002.969	37.7	37.7	0
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    1  2134.198  523.5316  7480.52  1088.232  0  40000  1088.3  1087.3  987.5376  982.5376  9.424905  18.85  19
42  2  2048.81  505.5477  7480.52  1087.015  0  214.6902  1093.366  1093.366  991.0576  986.0576  9.424905  18.85  0
    3  1993.81  489.136  7480.52  1085.928  0  40000  1085.9  1084.9  992.9876  987.9876  9.424905  18.85  16
    4  1919.825 -1879.683  7480.52  1086.28 -273.242  214.6902  1097.124  1097.124  997.4299  992.4299  9.424905  18.85  0
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42	5	-7538.227	-1886.832	7480.52	1087.881	-273.242	214.6902	1105.25	1105.25	.027	995.2271	9.42491	18.85	0
	6	1854.163	454.6207	7480.52	1090.052	-273.242	214.6902	1107.781	1107.781	1004.39	999.3902	9.424905	18.85	0
42	7	1777.098	439.8769	7480.52	1089.889	-273.242	214.6902	1112.133	1112.133	1008.917	1003.917	9.424905	18.85	0
42	8	1741.228	425.8561	7480.52	1090.358	-273.242	214.6902	1112.491	1112.491	1011.934	1006.934	9.511525	19.02324	0
	9	1667.927	450.667	7480.52	1090.878	-273.242	214.6902	1111.669	1111.669	1016.038	1011.038	9.42736	18.85491	0
	10	1832.344	549.3248	7480.52	1091.254	-273.242	214.6902	1121.666	1121.666	1019.543	1014.543	11.4879	22.97603	0
42	11	2157.491	789.9121	7480.52	1091.48	-273.242	214.6902	1128.598	1128.598	1022.833	1017.833	15.16918	30.33867	0
42	12	3285.138	1287.141	7480.52	1091.581	-273.242	214.6902	1127.399	1127.399	1025.783	1020.783	25.06297	50.12645	0
	13	5184.749	1615.747	7480.52	1091.618	-273.242	214.6902	1114.088	1114.088	1030.655	1025.655	44.8157	89.6323	0
42	14	5198.095	918.3469	7480.52	1091.768	-273.242	214.6902	1101.953	1101.953	1034.393	1029.393	47.67818	95.3573	0
42	15	737.0825	153.4941	7480.52	1092.043	-273.242	214.6902	1101.003	1101.003	1045.218	1040.218	5.80052	23.2023	0
	16	358.8627	66.59132	7480.52	1093.409	-273.242	214.6902	1118.472	1118.472	1057.475	1052.475	2.647315	10.58937	0
	17	155.5546	37.73253	7480.52	1097.329	-273.242	214.6902	1122.992	1122.992	1070.003	1065.003	.73555	2.94223	0
42	18	110.0745	71.29841	5610.39	1103.982	-204.9315	161.0176	1122.619	1122.619	1076.593	1071.593	.604079	2.416338	0
	19	70.4101	69.3822	3740.26	1107.141	-136.621	107.3451	1129.596	1129.596	1082.845	1077.847	.536973	2.146883	0
	20	71.17729	68.54453	3740.26	1109.863	-136.621	107.3451	1136.018	1136.018	1087.256	1082.207	.5205205	2.138174	0
42	21	68.11639	67.78885	3740.26	1111.75	-70.07994	107.3451	1137.183	1137.183	1087.33	1080.926	.3047557	2.18845	0
42	22	70.20937	119.6236	3740.26	1113.528	-36.47998	107.3451	1135.285	1135.285	1089.635	1080.269	4.088832E-02	2.1875	0
	23	175.0842	178.3549	3740.26	1114.961	-36.47998	107.3451	1135.187	1135.187	1091.821	1079.722	.842973	8.75	0
42	24	185.4062	384.9637	3740.26	1115.756	-36.47998	107.3451	1135.027	1135.027	1092.991	1079.19	.8077155	8.75	0
42	25	626.777	598.4144	3740.26	1116.034	-36.47998	107.3451	1134.49	1134.49	1092.613	1078.896	2.504212	35	0
	26	631.3562	598.1135	3740.26	1116.098	-20.51999	107.3451	1134.533	1134.533	1095.299	1080.494	2.2876	35	0
	27	603.5852	1238.867	3740.26	1116.066	-39.41997	107.3451	1135.475	1135.475	1099.371	1085.15	2.342032	35	0
42	28	1248.635	1965.194	3740.26	1115.951	0	107.3451	1137.886	1137.886	1102.55	1088.526	27.8144	105	0
42	29	1328.712	3325.698	3740.26	1115.93	0	107.3451	1136.386	1136.386	1104.335	1088.321	26.48396	105	0
	30	3795.723	2479.474	3740.26	1115.941	0	107.3451	1135.465	1135.465	1104.509	1086.043	24.4265	105	0
42	31	211.4011	1788.037	3740.26	1115.855	0	107.3451	1134.991	1134.991	1102.84	1085.315	22.12384	.5	0
42	32	2839.016	1750.558	3740.26	1115.919	0	107.3451	1132.283	1132.283	1102.314	1088.186	59.16694	.5	0
	33	168.9721	275.0144	3740.26	1115.962	0	107.3451	1133.545	1133.545	1102.458	1091.212	15.9137	.5	0
	34	174.5279	217.909	3740.26	1116.866	0	107.3451	1135.573	1135.573	1099.093	1093.09	12.85531	.5	0
42	35	107.2884	170.8894	3740.26	1118.907	0	107.3451	1136.552	1136.552	1100.951	1095.912	5.737728	.5	0
	36	123.4457	144.7164	3740.26	1121.706	0	107.3451	1137.404	1137.404	1097.879	1092.879	5.670684	.5	0
	37	82.25687	84.04684	3740.26	1125.356	-78.83994	107.3451	1138.545	1138.545	1096.837	1091.837	1.810188	.5	0
42	38	64.82432	66.76935	3740.26	1130.469	-136.621	107.3451	1138.687	1138.687	1096.019	1091.019	.413376	.5	0
42	39	67.84372	70.57782	3740.26	1134.678	-78.83994	107.3451	1138.739	1138.739	1095.96	1090.96	.446165	.5	0
	40	110.95	75.10918	5610.39	1137.56	-105.12	161.0176	1138.529	1138.529	1096.901	1092.658	.538469	.5	0
42	41	469.062	121.8773	7480.52	1139.052	-70.07996	214.6902	1138.765	1138.765	1100.57	1091.896	.703375	17.5	0
42	42	536.8163	119.4792	7480.52	1139.679	-70.07996	214.6902	1139.098	1139.098	1102.006	1091.45	.706432	17.5	0
	43	472.9543	101.2977	7480.52	1140.287	-70.07996	214.6902	1139.854	1139.854	1100.763	1092.958	.821285	17.5	0
	44	373.3047	90.04738	7480.52	1140.904	-52.55996	214.6902	1142.476	1142.476	1099.621	1093.426	.719476	17.51433	0
42	45	347.1813	80.29164	7480.52	1141.299	-18.23998	214.6902	1142.828	1142.828	1099.143	1093.673	.646648	17.6664	0
	46	302.2486	70.91725	7480.52	1142.256	-18.23998	214.6902	1142.691	1142.691	1098.482	1094.335	.635722	17.15897	0
	47	278.7198	69.30846	7480.52	1143.017	-18.23998	214.6902	1142.916	1142.916	1097.682	1094.417	.63219	17.63578	0
42	48	292.7947	69.78906	7480.52	1143.735	-18.23998	214.6902	1145.167	1145.167	1098.455	1094.754	.632	17.25192	0
42	49	280.7155	62.93484	7480.52	1144.181	-18.23998	214.6902	1146.626	1146.626	1099.124	1094.983	.632	14.38505	0
	50	229.2448	55.7551	7480.52	1144.435	-9.119992	214.6902	1148.145	1148.145	1100.316	1095.441	.632	7.594084	0
42	51	217.6198	54.29142	7480.52	1144.683	-9.119992	214.6902	1148.729	1148.729	1101.224	1096.224	.632	6.32	0
42	52	217.3445	54.28056	7480.52	1144.917	-26.27998	214.6902	1148.701	1148.701	1101.999	1096.999	.632	6.320001	0
	53	217.542	53.31634	7480.52	1144.816	-52.55998	214.6902	1149.338	1149.338	1101.523	1096.523	.632	6.32	0
	54	207.9142	51.52193	7480.52	1143.825	-70.07994	214.6902	1148.538	1148.538	1100.867	1095.867	.632	5.59133	0
42	55	181.0376	45.99464	7480.52	1141.458	-70.07994	214.6902	1146.666	1146.666	1099.868	1094.868	.632	5.169249	0
	56	164.4857	39.37786	7480.52	1137.64	-70.07994	214.6902	1137.989	1137.989	1097.779	1092.779	.632	1.690414	0
	57	151.5311	37.05293	7480.52	1132.633	-70.07994	214.6902	1132.29	1132.29	1095.615	1090.615	.632	.632	0
42	58	147.8945	35.31431	7480.52	1128.13	-36.47998	214.6902	1128.892	1128.892	1093.007	1088.007	.631699	.631699	0
42	59	140.5112	33.26912	7480.52	1124.627	-70.07994	214.6902	1123.525	1123.525	1091.271	1086.271	.534804	.534804	0
	60	135.2206	31.86365	7480.52	1122.418	-70.07994	214.6902	1120.811	1120.811	1089.844	1084.844	.474511	.474511	0
	61	129.9774	31.47995	7480.52	1121.213	-70.07994	214.6902	1119.053	1119.053	1088.34	1083.34	.409439	.409439	0
42	62	127.9854	31.87491	7480.52	1122.403	-105.1199	40000	1122.4	1121.4	1087.266	1082.266	.419456	.419456	13
	63	127.9723	32.21714	7480.52	1124.104	-140.1599	40000	1124.1	1123.1	1086.474	1081.474	.41	.41	13
	64	129.7098	32.44025	7480.52	1126.002	-140.1599	40000	1126	1125	1085.902	1080.902	.41	.41	20

43	1	2129.543	522.2203	7480.52	1088.406	0	40000	1088.4	1087.4	988.1324	983.1324	9.424905	18.85	19
4	2	2045.793	505.1072	7480.52	1087.274	0	214.6902	1094.752	1094.752	991.4753	986.4753	9.424905	18.85	0
4	3	1987.91	489.2727	7480.52	1086.021	0	40000	1086	1085	993.1207	988.1207	9.424905	18.85	16
43	4	1919.558	475.0831	7480.52	1086.738	-273.242	214.6902	1097.252	1097.252	997.8011	992.8011	9.424905	18.85	0
4	5	1882.805	465.8159	7480.52	1087.695	-273.242	214.6902	1105.039	1105.039	1000.993	995.9929	9.424905	18.85	0
4	6	1840.846	453.1946	7480.52	1089.681	-273.242	214.6902	1108.64	1108.64	1004.834	999.8337	9.424905	18.85	0
4	7	1773.592	439.7046	7480.52	1090.203	-273.242	214.6902	1112.422	1112.422	1009.035	1004.035	9.424905	18.85	0
43	8	1707.064	426.4325	7480.52	1090.791	-273.242	214.6902	1114.322	1114.322	1012.343	1007.343	9.479095	18.95838	0
4	9	1653.645	424.4006	7480.52	1091.372	-273.242	214.6902	1117.666	1117.666	1016.976	1011.976	9.532325	19.06484	0
4	10	1602.644	448.1339	7480.52	1091.79	-273.242	214.6902	1123.694	1123.694	1020.142	1015.142	10.14886	20.29792	0
43	11	1694.796	570.7454	7480.52	1092.028	-273.242	214.6902	1128.828	1128.828	1023.671	1018.671	11.46054	22.9213	0
4	12	2283.953	830.3313	7480.52	1092.096	-273.242	214.6902	1124.765	1124.765	1027.175	1022.175	17.58652	35.17342	0
4	13	3251.965	979.9639	7480.52	1092.13	-273.242	214.6902	1123.84	1123.84	1032.022	1027.022	27.59449	55.18955	0
43	14	3108.44	565.4474	7480.52	1092.361	-273.242	214.6902	1106.276	1106.276	1035.961	1030.961	28.82895	57.65845	0
43	15	548.9126	120.4922	7480.52	1093.253	-273.242	214.6902	1112.52	1112.52	1045.996	1040.996	4.067832	16.27149	0
4	16	320.0883	62.01301	7480.52	1096.188	-273.242	214.6902	1126.806	1126.806	1057.77	1052.77	2.223208	8.892925	0
4	17	152.3114	37.84761	7480.52	1101.498	-273.242	214.6902	1122.07	1122.07	1070.793	1065.793	.6798315	2.719355	0
43	18	110.2951	72.49469	5610.39	1108.547	-204.9315	161.0176	1122.413	1122.413	1077.494	1072.494	.569457	2.27785	0
4	19	71.80443	72.20518	3740.26	1111.574	-136.621	107.3451	1124.605	1124.605	1084.008	1079.024	.53248	2.128747	0
4	20	75.22237	70.74916	3740.26	1113.942	-136.621	107.3451	1131.827	1131.827	1085.276	1079.162	.4793165	2.18378	0
43	21	74.27023	70.53691	3740.26	1115.485	-136.621	107.3451	1134.568	1134.568	1089.036	1079.13	.0260916	2.1875	0
4	22	73.34146	125.67	3740.26	1116.105	-36.47998	107.3451	1134.636	1134.636	1090.65	1079.062	.052812	2.1875	0
4	23	177.6981	182.1354	3740.26	1116.51	-36.47998	107.3451	1134.463	1134.463	1091.131	1078.392	.8394895	8.75	0
43	24	190.3235	427.2194	3740.26	1116.793	-36.47998	107.3451	1134.503	1134.503	1091.396	1077.484	.7173605	8.75	0
43	25	682.4987	659.7188	3740.26	1116.865	-70.07994	107.3451	1134.522	1134.522	1092.266	1076.116	2.363908	35	0
4	26	657.895	636.8279	3740.26	1116.824	-39.41997	107.3451	1134.734	1134.734	1093.909	1078.116	2.270872	35	0
4	27	632.1231	613.3532	3740.26	1116.72	-39.41997	107.3451	1137.336	1137.336	1097.062	1081.879	2.289354	35	0
43	28	609.2601	612.1519	3740.26	1116.478	-39.41997	107.3451	1136.904	1136.904	1099.423	1084.6	2.209286	35	0
4	29	614.4636	1798.736	3740.26	1116.442	-39.41997	107.3451	1135.716	1135.716	1100.986	1085.506	2.03472	35	3
4	30	2946.23	1527.65	3740.26	1116.51	-39.41997	107.3451	1135.916	1135.916	1101.566	1085.607	1.794684	35	0
4	31	78.05583	1262.38	3740.26	1116.569	-39.41997	107.3451	1136.226	1136.226	1101.445	1086.265	1.542332	.5	0
4	32	2447.729	1257.43	3740.26	1116.671	-39.41997	107.3451	1136.761	1136.761	1101.682	1088.344	1.279108	.5	0
4	33	67.46683	68.48563	3740.26	1116.754	-39.41997	107.3451	1138.246	1138.246	1101.743	1090.71	.970552	.5	0
4	34	67.49669	63.90736	3740.26	1118.62	-39.41997	107.3451	1137.813	1137.813	1099.506	1092.544	.841818	.5	0
43	35	59.06207	59.84472	3740.26	1121.54	-39.41997	107.3451	1137.601	1137.601	1099.501	1095.042	.354073	.5	0
4	36	59.83772	60.98616	3740.26	1124.787	-39.41997	107.3451	1138.557	1138.557	1100.121	1095.109	.340965	.5	0
4	37	61.41095	63.03435	3740.26	1129.223	-78.83994	107.3451	1138.492	1138.492	1100.163	1095.163	.336938	.5	0
43	38	63.97025	65.89868	3740.26	1133.59	-136.621	107.3451	1138.935	1138.935	1099.744	1094.744	.371986	.5	0
4	39	67.08868	71.23254	3740.26	1136.372	-59.12996	107.3451	1138.968	1138.968	1100.189	1095.189	.428818	.5	0
4	40	112.5905	79.13964	5610.39	1138.432	-70.07996	161.0176	1141.128	1141.128	1097.728	1092.818	.582447	.5	0
43	41	496.4016	129.5923	7480.52	1139.569	-70.07996	214.6902	1142.363	1142.363	1101.076	1091.49	.652898	17.5	0
43	42	565.3394	132.9634	7480.52	1140.158	-70.07996	214.6902	1142.101	1142.101	1102.632	1091.006	.663569	17.5	0
4	43	543.4258	110.2671	7480.52	1140.739	-70.07996	214.6902	1141.528	1141.528	1102.012	1091.59	.618882	17.5	6
4	44	380.5059	90.07414	7480.52	1141.238	-27.35998	214.6902	1142.509	1142.509	1100.504	1094.29	.690715	17.5	0
43	45	329.9805	82.06583	7480.52	1141.721	-18.23998	214.6902	1144.898	1144.898	1099.247	1093.651	.640808	17.5	0
4	46	310.2084	74.32484	7480.52	1142.535	-18.23998	214.6902	1143.581	1143.581	1098.417	1094.021	.634067	17.5	0
4	47	301.0799	73.57015	7480.52	1143.21	-18.23998	214.6902	1142.941	1142.941	1098.089	1094.345	.632015	17.5	0
43	48	307.5816	73.58849	7480.52	1143.964	-18.23998	214.6902	1145.168	1145.168	1098.562	1094.384	.632	17.5	6
4	49	288.99	64.55524	7480.52	1144.453	-18.23998	214.6902	1146.732	1146.732	1099.296	1094.807	.632	14.58547	0
4	50	229.9382	55.96105	7480.52	1144.784	-9.119992	214.6902	1148.257	1148.257	1100.56	1095.629	.632	7.597918	0
43	51	218.1143	54.44965	7480.52	1145.121	-9.119992	214.6902	1148.829	1148.829	1101.229	1096.229	.632	6.32	0
43	52	218.2477	54.44107	7480.52	1145.452	-26.27998	214.6902	1148.97	1148.97	1101.948	1096.948	.632	6.32	0
4	53	218.2112	53.0477	7480.52	1145.498	-52.55998	214.6902	1149.153	1149.153	1101.872	1096.872	.632	6.32	0
4	54	208.9187	45.71601	7480.52	1144.761	-70.07994	214.6902	1148.781	1148.781	1101.316	1096.316	.632	5.239441	0
43	55	184.1239	40.38618	7480.52	1142.809	-70.07994	214.6902	1147.994	1147.994	1099.733	1094.733	.632	.613982	0
4	56	166.7488	39.62634	7480.52	1139.464	-70.07994	214.6902	1140.553	1140.553	1097.714	1092.714	.632	1.340811	0
4	57	154.2335	37.80347	7480.52	1135.04	-70.07994	214.6902	1135.145	1135.145	1095.517	1090.517	.632	.632	0
43	58	150.2906	36.78713	7480.52	1130.396	-36.47998	214.6902	1131.055	1131.055	1093.062	1088.062	.632457	.632457	0
43	59	147.3029	35.66384	7480.52	1127.094	-70.07994	214.6902	1126.547	1126.547	1091.531	1086.531	.614094	.614094	0
4	60	143.8799	34.43585	7480.52	1124.688	-70.07994	214.6902	1123.754	1123.754	1090.245	1085.245	.579896	.579896	0

43	61	140.6581	33.01074	7480.52	1122.902	-105.1199	214.6902	1121.466	1121.466	1089.063	1084.063	.528236	.528236	0
43	62	131.3298	32.11451	7480.52	1122.604	-72.9599	40000	1122.6	1121.6	1087.911	1082.911	.444981	.444981	13
43	63	129.486	32.20339	7480.52	1124.502	-72.9599	40000	1124.5	1123.5	1087.167	1082.167	.40934	.40934	13
43	64	129.5341	32.41465	7480.52	1126.202	-140.1599	40000	1126.2	1125.2	1086.517	1081.517	.409773	.409773	20
44	1	2128.13	521.6138	7480.52	1088.977	0	40000	1089	1088	988.8051	983.8051	9.424905	18.85	19
	2	2040.712	503.3187	7480.52	1087.553	0	214.6902	1098.922	1098.922	991.9358	986.9358	9.424905	18.85	0
4	3	1970.291	487.5942	7480.52	1086.031	0	40000	1086	1085	993.733	988.733	9.424905	18.85	16
44	4	1913.19	475.5076	7480.52	1087.001	-273.242	214.6902	1098.922	1098.922	998.196	993.196	9.424905	18.85	0
44	5	1878.007	465.0968	7480.52	1088.046	-273.242	214.6902	1105.496	1105.496	1001.04	996.0402	9.424905	18.85	0
44	6	1830.191	450.4149	7480.52	1089.535	-273.242	214.6902	1108.556	1108.556	1005.306	1000.306	9.424905	18.85	0
44	7	1765.489	430.4594	7480.52	1090.351	-273.242	214.6902	1112.417	1112.417	1009.77	1004.77	9.424905	18.85	0
44	8	1641.681	413.7448	7480.52	1091.079	-273.242	214.6902	1115.203	1115.203	1012.833	1007.833	9.14154	18.28326	0
44	9	1471.305	389.6717	7480.52	1091.748	-273.242	214.6902	1120.813	1120.813	1016.849	1011.849	9.250675	18.50154	0
44	10	1372.01	376.226	7480.52	1092.277	-273.242	214.6902	1125.073	1125.073	1020.714	1015.714	8.68957	17.37931	0
44	11	1341.449	423.9417	7480.52	1092.603	-273.242	214.6902	1128.298	1128.298	1024.522	1019.522	9.34888	18.69794	0
44	12	1644.092	553.6481	7480.52	1092.72	-273.242	214.6902	1123.866	1123.866	1028.465	1023.465	12.09302	24.18628	0
44	13	2103.475	610.1372	7480.52	1092.8	-273.242	214.6902	1124.913	1124.913	1034.002	1029.002	18.12265	36.24568	0
44	14	1903.21	348.8907	7480.52	1093.177	-273.242	214.6902	1115.45	1115.45	1037.375	1032.375	17.05173	34.1038	0
44	15	420.0177	96.75804	7480.52	1094.654	-273.242	214.6902	1116.992	1116.992	1047.058	1042.058	2.944957	11.77995	0
44	16	281.1052	56.0869	7480.52	1098.525	-273.242	214.6902	1127.518	1127.518	1058.936	1053.936	1.829125	7.316575	0
44	17	143.0545	36.99528	7480.52	1104.371	-273.242	214.6902	1124.655	1124.655	1072.122	1067.122	.595664	2.38268	0
4	18	107.5115	72.83984	5610.39	1111.67	-204.9315	161.0176	1127.262	1127.262	1078.819	1073.819	.538387	2.15357	0
4	19	72.66472	74.82161	3740.26	1114.689	-136.621	107.3451	1126.647	1126.647	1084.99	1080.048	.528059	2.108737	0
44	20	76.14519	78.74344	3740.26	1116.8	-136.621	107.3451	1130.438	1130.438	1086.217	1079.187	.52094	2.184467	0
4	21	81.6373	77.07478	3740.26	1117.947	-136.621	107.3451	1134.54	1134.54	1089.959	1078.445	.3251155	2.1875	0
4	22	77.36749	125.3696	3740.26	1117.969	-36.47998	107.3451	1134.519	1134.519	1090.648	1078.351	.0451071	2.1875	0
44	23	183.7112	185.8862	3740.26	1117.822	-36.47998	107.3451	1134.481	1134.481	1091.161	1078.54	.7658455	8.75	0
44	24	205.5999	445.6028	3740.26	1117.711	-36.47998	107.3451	1134.208	1134.208	1091.858	1076.725	.660932	8.75	0
4	25	699.5442	680.6749	3740.26	1117.607	-70.07994	107.3451	1134.224	1134.224	1092.101	1075.106	2.20211	35	0
4	26	677.131	653.1902	3740.26	1117.514	-39.41997	107.3451	1134.613	1134.613	1093.163	1077.021	2.242062	35	0
4	27	635.0938	628.03	3740.26	1117.406	-39.41997	107.3451	1136.858	1136.858	1095.266	1079.676	2.231704	35	0
	28	590.6157	611.5718	3740.26	1117.281	-39.41997	107.3451	1133.628	1133.628	1097.309	1082.284	2.116378	35	0
4	29	581.8301	1761.958	3740.26	1117.231	-39.41997	107.3451	1132.037	1132.037	1098.766	1083.729	1.895718	35	0
44	30	2895.811	1496.636	3740.26	1117.239	-39.41997	107.3451	1135.122	1135.122	1099.724	1085.546	1.63157	35	0
44	31	76.72033	1263.404	3740.26	1117.388	-39.41997	107.3451	1137.523	1137.523	1100.25	1086.793	1.358694	.5	0
4	32	2449.698	1257.766	3740.26	1117.533	-78.83994	107.3451	1138.333	1138.333	1101.584	1088.846	1.065998	.5	0
4	33	65.24998	66.47789	3740.26	1117.791	-78.83994	107.3451	1138.596	1138.596	1101.82	1090.957	.778594	.5	0
44	34	65.81287	62.65139	3740.26	1121.697	-78.83994	107.3451	1138.542	1138.542	1100.541	1092.74	.651896	.5	0
4	35	58.67729	59.05507	3740.26	1125.518	-78.83994	107.3451	1138.322	1138.322	1099.324	1094.237	.266927	.5	0
4	36	59.00096	60.26252	3740.26	1129.204	-78.83994	107.3451	1138.507	1138.507	1102.378	1097.412	.262457	.5	0
44	37	60.7346	62.34685	3740.26	1133.04	-136.621	107.3451	1138.486	1138.486	1102.84	1097.86	.288081	.5	0
4	38	63.23604	65.16024	3740.26	1136.05	-136.621	107.3451	1138.446	1138.446	1102.882	1097.86	.334292	.5	0
4	39	66.49864	70.91649	3740.26	1137.745	-39.41998	107.3451	1139.372	1139.372	1101.565	1096.558	.40318	.5	0
44	40	111.3204	82.49094	5610.39	1139.174	-70.07996	161.0176	1142.185	1142.185	1099.339	1092.253	.571013	.5	0
44	41	532.6349	135.843	7480.52	1139.943	-70.07996	214.6902	1143.783	1143.783	1101.722	1091.349	.648554	17.5	0
4	42	583.084	144.2279	7480.52	1140.489	-70.07996	214.6902	1143.91	1143.91	1103.151	1090.71	.597376	17.5	0
4	43	586.0015	120.7158	7480.52	1141.043	-70.07996	214.6902	1142.446	1142.446	1102.65	1090.036	.504956	17.5	0
44	44	478.6973	87.54748	7480.52	1141.525	-27.35998	214.6902	1143.357	1143.357	1101.936	1095.149	.663567	17.5	0
4	45	313.0843	77.9814	7480.52	1142.039	-18.23998	214.6902	1145.366	1145.366	1098.413	1093.904	.635848	17.5	0
4	46	315.2851	78.49722	7480.52	1142.8	-18.23998	214.6902	1144.258	1144.258	1098.53	1094.016	.632925	17.5	0
44	47	322.1843	78.59521	7480.52	1143.503	-18.23998	214.6902	1143.724	1143.724	1098.558	1093.97	.632	17.5	6
4	48	318.5218	75.55441	7480.52	1144.186	-18.23998	214.6902	1145.604	1145.604	1098.839	1094.343	.632	17.5	0
4	49	293.8672	65.17681	7480.52	1144.705	-18.23998	214.6902	1147.059	1147.059	1099.5	1094.868	.632	14.63186	0
44	50	230.3587	56.0521	7480.52	1145.103	-9.119992	214.6902	1148.926	1148.926	1100.841	1095.898	.632	7.592404	0
44	51	218.541	54.64088	7480.52	1145.52	-9.119992	214.6902	1149.088	1149.088	1101.304	1096.304	.632	6.32	0
	52	218.9788	54.67367	7480.52	1145.934	-26.27998	214.6902	1149.367	1149.367	1101.38	1096.38	.632	6.32	0
	53	221.5605	53.73477	7480.52	1146.129	-52.55998	214.6902	1148.885	1148.885	1101.901	1096.901	.632	6.32	0
44	54	217.7656	52.54463	7480.52	1145.597	-70.07994	214.6902	1148.707	1148.707	1101.568	1096.568	.632	5.627518	0
	55	213.4555	47.332	7480.52	1144.007	-70.07994	214.6902	1148.487	1148.487	1100.906	1095.906	.632	5.552082	0
	56	173.6469	40.61924	7480.52	1141.085	-70.07994	214.6902	1142.763	1142.763	1097.989	1092.989	.632	1.725471	0

44	57	156.1514	38.32756	7480.52	1136.951	-70.07994	214.6902	1137.425	1137.425	1095.677	1090.677	.632	.632	0
4	58	152.1042	37.61124	7480.52	1132.023	-36.47998	214.6902	1131.523	1131.523	1093.188	1088.188	.632	.632	0
4	59	150.7045	37.13185	7480.52	1129.527	-70.07994	214.6902	1129.277	1129.277	1091.739	1086.739	.635842	.635842	0
44	60	149.0808	36.69865	7480.52	1127.559	-105.1199	214.6902	1127.218	1127.218	1090.573	1085.573	.627245	.627245	0
4	61	147.5992	34.98625	7480.52	1125.539	-140.1599	214.6902	1124.967	1124.967	1089.461	1084.461	.631782	.631782	0
4	62	137.2303	33.08945	7480.52	1122.806	-72.9599	40000	1122.8	1121.8	1088.573	1083.573	.507372	.507372	13
4	63	135.6044	32.55164	7480.52	1124.802	-72.9599	40000	1124.8	1123.8	1087.927	1082.927	.446264	.446264	13
44	64	131.2833	32.35241	7480.52	1126.402	-140.1599	40000	1126.4	1125.4	1087.568	1082.568	.409852	.409852	20
4	1	2123.394	520.5966	7480.52	1089.469	0	40000	1089.5	1088.5	989.3727	984.3727	9.424905	18.85	19
4	2	2035.201	499.4319	7480.52	1087.845	0	214.6902	1104.343	1104.343	992.6113	987.6113	9.424905	18.85	0
45	3	1952.303	483.276	7480.52	1086.035	0	40000	1086	1085	995.048	990.048	9.424905	18.85	16
4	4	1903.51	472.2917	7480.52	1087.108	-273.242	214.6902	1100.829	1100.829	998.8703	993.8703	9.424905	18.85	0
4	5	1864.36	461.9527	7480.52	1088.148	-273.242	214.6902	1105.495	1105.495	1001.976	996.9763	9.42491	18.85	0
45	6	1819.688	448.505	7480.52	1089.415	-273.242	214.6902	1107.951	1107.951	1005.717	1000.717	9.424905	18.85	0
45	7	1759.942	421.3333	7480.52	1090.377	-273.242	214.6902	1111.603	1111.603	1009.996	1004.996	9.41509	18.83037	0
4	8	1554.209	364.5017	7480.52	1091.234	-273.242	214.6902	1115.172	1115.172	1013.24	1008.24	8.78289	17.56595	0
4	9	1286.274	321.157	7480.52	1092.034	-273.242	214.6902	1119.54	1119.54	1017.722	1012.722	7.377355	14.75486	0
45	10	1172.823	302.139	7480.52	1092.707	-273.242	214.6902	1125.014	1125.014	1021.319	1016.319	7.344505	14.68915	0
4	11	1076.144	322.4435	7480.52	1093.181	-273.242	214.6902	1128.013	1128.013	1025.199	1020.199	6.98043	13.961	0
4	12	1256.496	383.2435	7480.52	1093.426	-273.242	214.6902	1118.304	1118.304	1029.853	1024.853	9.204085	18.40836	0
45	13	1360.187	391.5339	7480.52	1093.616	-273.242	214.6902	1120.086	1120.086	1035.861	1030.861	11.59022	23.18067	0
45	14	1263.49	231.9162	7480.52	1094.217	-273.242	214.6902	1119.218	1119.218	1039.314	1034.314	10.91388	21.82798	0
4	15	329.2404	78.52269	7480.52	1096.17	-273.242	214.6902	1120.706	1120.706	1048.952	1043.952	2.143447	8.573875	0
4	16	250.3924	49.95303	7480.52	1100.38	-273.242	214.6902	1127.844	1127.844	1060.789	1055.789	1.514657	6.058685	0
45	17	115.6502	34.60553	7480.52	1105.924	-70.07994	214.6902	1127.311	1127.311	1073.722	1068.722	.4712445	1.884997	0
4	18	91.27517	71.49923	5610.39	1113.431	-70.07994	161.0176	1128.394	1128.394	1080.112	1075.112	.4653565	1.861445	0
4	19	71.2043	73.98828	3740.26	1116.736	-136.621	107.3451	1127.393	1127.393	1086.363	1081.396	.528024	2.108823	0
45	20	74.80395	79.03905	3740.26	1118.712	-136.621	107.3451	1129.528	1129.528	1086.891	1081.565	.5281195	2.183292	0
4	21	84.02169	81.93001	3740.26	1119.596	-136.621	107.3451	1132.187	1132.187	1088.86	1079.53	.5399465	2.1875	0
4	22	86.87659	135.7091	3740.26	1119.519	-136.621	107.3451	1134.534	1134.534	1090.459	1078.205	.279349	2.1875	0
45	23	207.5548	203.4249	3740.26	1118.903	-70.07994	107.3451	1134.618	1134.618	1091.669	1077.99	.9250535	8.75	0
	24	211.5515	459.5414	3740.26	1118.499	-70.07994	107.3451	1134.549	1134.549	1091.503	1073.956	.655976	8.75	0
4	25	664.5435	696.0002	3740.26	1118.251	-70.07994	107.3451	1134.494	1134.494	1091.573	1074.447	2.19057	35	0
4	26	650.1004	659.0345	3740.26	1118.13	-39.41997	107.3451	1134.476	1134.476	1092.766	1075.982	2.218992	35	0
45	27	592.2869	597.6796	3740.26	1118.036	-39.41997	107.3451	1134.53	1134.53	1094.253	1079.087	2.191858	35	0
4	28	547.9792	560.874	3740.26	1117.957	-39.41997	107.3451	1134.567	1134.567	1096.017	1082.448	2.039168	35	0
4	29	535.8425	1715.683	3740.26	1117.901	-39.41997	107.3451	1132.291	1132.291	1097.725	1084.245	1.806828	35	0
45	30	2859.116	1475.895	3740.26	1117.893	-39.41997	107.3451	1136.76	1136.76	1098.688	1085.687	1.49298	35	0
45	31	73.4637	1263.014	3740.26	1118.095	-39.41997	107.3451	1140.282	1140.282	1099.482	1087.248	1.178216	.5	0
4	32	2450.445	1257.182	3740.26	1118.3	-78.83994	107.3451	1141.043	1141.043	1100.536	1089.253	.816852	.5	0
44	33	64.33585	64.58496	3740.26	1118.64	-78.83994	107.3451	1142.02	1142.02	1102.042	1091.323	.612816	.5	0
45	34	65.09521	61.83877	3740.26	1123.958	-78.83994	107.3451	1141.411	1141.411	1101.996	1093.043	.529552	.5	0
4	35	58.81283	58.62319	3740.26	1128.543	-136.621	107.3451	1142.514	1142.514	1101.166	1094.515	.221046	.5	0
4	36	58.97129	59.47305	3740.26	1132.116	-78.83994	107.3451	1140.508	1140.508	1100.068	1095.556	.215167	.5	0
45	37	60.63026	61.62379	3740.26	1135.364	-118.2599	107.3451	1139.516	1139.516	1100.121	1095.939	.246506	.5	0
4	38	62.89735	64.57444	3740.26	1137.596	-118.2599	107.3451	1141.346	1141.346	1099.932	1095.706	.300258	.5	0
4	39	65.97027	69.79577	3740.26	1138.676	-39.41998	107.3451	1142.447	1142.447	1100.167	1094.987	.371089	.5	0
45	40	108.678	87.77458	5610.39	1139.634	-70.07996	161.0176	1142.797	1142.797	1101.107	1092.69	.526641	.5	0
45	41	566.0671	143.0867	7480.52	1140.14	-70.07996	214.6902	1145.928	1145.928	1102.774	1091.085	.659639	17.5	0
4	42	613.2406	148.0435	7480.52	1140.679	-70.07996	214.6902	1144.414	1144.414	1103.59	1090.667	.539803	17.5	0
44	43	592.8552	145.4588	7480.52	1141.243	-70.07996	214.6902	1143.724	1143.724	1103.131	1089.9	.465504	17.5	6
45	44	569.8831	110.3979	7480.52	1141.723	-27.35998	214.6902	1143.697	1143.697	1101.58	1089.464	.599278	17.5	6
4	45	325.8538	79.11095	7480.52	1142.27	-18.23998	214.6902	1145.173	1145.173	1098.686	1094.067	.627082	17.5	0
4	46	324.9714	80.87012	7480.52	1143.016	-18.23998	214.6902	1144.591	1144.591	1098.929	1094.24	.63233	17.5	0
45	47	335.0477	81.58131	7480.52	1143.724	-18.23998	214.6902	1144.559	1144.559	1098.995	1094.027	.632	17.5	0
4	48	331.4199	77.54285	7480.52	1144.389	-18.23998	214.6902	1145.77	1145.77	1099.129	1094.32	.632	17.5	0
	49	301.8829	65.87968	7480.52	1144.936	-18.23998	214.6902	1147.237	1147.237	1099.697	1094.894	.632	14.63313	7
45	50	230.7092	56.17284	7480.52	1145.393	-9.119992	214.6902	1149.378	1149.378	1101.006	1096.042	.632	7.594084	7
45	51	218.9365	54.73908	7480.52	1145.881	-9.119992	214.6902	1149.394	1149.394	1101.355	1096.355	.632	6.32	0
4	52	219.3562	55.46114	7480.52	1146.351	-13.67999	214.6902	1148.497	1148.497	1101.561	1096.561	.632	6.320001	0

45	53	232.4877	56.09675	7480.52	1146.69	-52.55998	214.6902	1148.599	1148.599	1101.596	1096.714	.632	6.975712	0	
45	54	232.3196	55.26064	7480.52	1146.33	-70.07994	214.6902	1148.47	1148.47	1101.397	1096.514	.632	6.975712	0	
45	55	218.6301	49.44359	7480.52	1144.969	-70.07994	214.6902	1148.479	1148.479	1100.975	1095.975	.632	6.312289	0	
45	56	178.3496	41.83031	7480.52	1142.408	-70.07994	214.6902	1143.664	1143.664	1098.551	1093.551	.632	2.419084	0	
45	57	157.6175	38.73634	7480.52	1138.525	-70.07994	214.6902	1138.749	1138.749	1096.192	1091.192	.632	.632	0	
4	58	153.9648	38.09093	7480.52	1133.473	-70.07994	214.6902	1132.125	1132.125	1093.326	1088.326	.632	.632	0	
4	59	152.6922	37.81447	7480.52	1131.659	-105.1199	214.6902	1131.388	1131.388	1092.027	1087.027	.632	.632	0	
45	60	151.8139	37.47135	7480.52	1130.122	-140.1599	214.6902	1129.976	1129.976	1090.929	1085.929	.632	.632	0	
45	61	150.248	36.22114	7480.52	1128.079	-140.1599	214.6902	1128.687	1128.687	1089.96	1084.96	.632407	.632407	0	
45	62	144.1363	35.11922	7480.52	1123.021	-72.9599	40000	1123	1122	1089.132	1084.132	.599317	.599317	13	
45	63	142.651	34.17027	7480.52	1125.101	-72.9599	40000	1125.1	1124.1	1088.632	1083.632	.558008	.558008	13	
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4	1	2117.742	519.0522	7480.52	1089.78	0	40000	1089.8	1088.8	990.1404	985.1404	9.424905	18.85	19	
46	2	2035.011	497.4442	7480.52	1088.167	0	214.6902	1108.917	1108.917	993.161	988.161	9.424905	18.85	0	
4	3	1945.804	480.6774	7480.52	1086.04	0	40000	1086	1085	995.6937	990.6937	9.424905	18.85	16	
4	4	1893.823	469.6759	7480.52	1087.087	-273.242	214.6902	1102.917	1102.917	999.3347	994.3347	9.424905	18.85	0	
46	5	1851.22	459.0596	7480.52	1088.055	-273.242	214.6902	1105.487	1105.487	1002.53	997.53	9.424905	18.85	0	
46	6	1766.165	446.4026	7480.52	1089.23	-273.242	214.6902	1106.692	1106.692	1006.134	1001.134	9.424905	18.85	0	
4	7	1728.03	407.2045	7480.52	1090.288	-273.242	214.6902	1108	1108	1010.046	1005.046	9.39822	18.79663	0	
46	8	1440.272	345.6189	7480.52	1091.266	-273.242	214.6902	1114.122	1114.122	1013.793	1008.793	8.21998	16.44012	0	
46	9	1153.527	293.617	7480.52	1092.207	-273.242	214.6902	1122.361	1122.361	1018.335	1013.335	7.15417	14.30849	0	
4	10	1030.747	260.1028	7480.52	1093.04	-273.242	214.6902	1123.115	1123.115	1022.224	1017.224	6.30127	12.60267	0	
4	11	936.2871	260.7166	7480.52	1093.706	-273.242	214.6902	1123.87	1123.87	1026.168	1021.168	5.9883	11.97672	0	
46	12	943.9766	270.9272	7480.52	1094.137	-273.242	214.6902	1117.724	1117.724	1031.779	1026.779	7.04392	14.08799	0	
4	13	942.0389	264.3851	7480.52	1094.559	-273.242	214.6902	1115.352	1115.352	1038.531	1033.531	7.611355	15.22286	0	
4	14	908.7074	166.2663	7480.52	1095.393	-273.242	214.6902	1115.026	1115.026	1042.753	1037.753	7.6821	15.36435	0	
46	15	272.2709	66.38552	7480.52	1097.646	-273.242	214.6902	1122.398	1122.398	1051.707	1046.707	1.627527	6.51017	0	
46	16	189.9939	41.55762	7480.52	1101.585	-105.1199	214.6902	1129.908	1129.908	1063.052	1058.052	1.32268	5.290775	0	
4	17	94.45503	24.73208	7480.52	1107.386	-70.07994	214.6902	1132.269	1132.269	1075.283	1070.283	.0586759	.2347059	0	
4	18	74.57151	60.55519	5610.39	1114.992	-70.07994	161.0176	1132.372	1132.372	1081.231	1076.231	.1172293	.4689223	0	
4	19	67.55084	72.01997	3740.26	1118.166	-136.621	107.3451	1129.558	1129.558	1086.884	1081.877	.4445148	1.776783	0	
	20	73.66797	79.78659	3740.26	1119.848	-136.621	107.3451	1126.123	1126.123	1087.398	1082.451	.52801	2.180912	0	
4	21	85.76535	88.96828	3740.26	1120.476	-136.621	107.3451	1127.376	1127.376	1090.46	1080.048	.5311285	2.1875	0	
46	22	91.80093	158.7223	3740.26	1120.21	-136.621	107.3451	1130.215	1130.215	1092.216	1077.209	.520109	2.1875	0	
4	23	221.2505	215.6814	3740.26	1119.514	-70.07994	107.3451	1130.882	1130.882	1093.424	1076.97	1.337541	8.75	0	
4	24	206.9529	416.5535	3740.26	1119.074	-70.07994	107.3451	1133.747	1133.747	1092.737	1076.257	.657004	8.75	0	
46	25	464.7802	618.6436	3740.26	1118.775	-70.07994	107.3451	1134.458	1134.458	1091.994	1077.089	2.19945	35	0	
46	26	462.5016	583.3528	3740.26	1118.671	-70.07994	107.3451	1134.447	1134.447	1092.299	1077.815	2.214538	35	0	
4	27	410.1718	542.5867	3740.26	1118.617	-70.07994	107.3451	1134.458	1134.458	1094.051	1081.031	2.176422	35	0	
4	28	397.0134	522.9478	3740.26	1118.58	-70.07994	107.3451	1135.107	1135.107	1095.495	1083.037	2.0222	35	0	
46	29	388.5345	1679.275	3740.26	1118.5	-70.07994	107.3451	1137.089	1137.089	1096.964	1084.551	1.61133	35	0	
4	30	1550.264	1456.684	3740.26	1118.43	-70.07994	107.3451	1139.011	1139.011	1098.021	1085.993	1.259504	35	0	
4	31	66.87036	1260.895	3740.26	1118.728	-70.07994	107.3451	1142.014	1142.014	1098.934	1087.487	.891032	.5	0	
46	32	1255.541	1257.599	3740.26	1118.962	-136.621	107.3451	1142.467	1142.467	1099.986	1089.413	.71527	.5	0	
4	33	62.61942	64.8461	3740.26	1119.581	-136.621	107.3451	1142.464	1142.464	1101.64	1091.425	.604002	.5	0	
4	34	62.90343	62.06927	3740.26	1125.948	-136.621	107.3451	1142.483	1142.483	1103.296	1093.155	.490142	.5	0	
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46	36	60.01737	60.1285	3740.26	1133.967	-136.621	107.3451	1142.236	1142.236	1102.186	1095.56	.205847	.5	0	
4	37	61.64526	61.90383	3740.26	1136.656	-136.621	107.3451	1140.878	1140.878	1101.439	1095.77	.243849	.5	0	
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46	42	652.6471	153.4805	7480.52	1140.735	-70.07996	214.6902	1144.712	1144.712	1104.729	1090.391	.536921	17.5	0	
46	43	582.7465	145.2257	7480.52	1141.346	-70.07996	214.6902	1144.54	1144.54	1103.176	1090.002	.430892	17.5	0	
4	44	582.618	113.5363	7480.52	1141.857	-27.35998	214.6902	1144.517	1144.517	1101.983	1089.342	.407049	17.5	6	
4	5	363.6133	83.59535	7480.52	1142.441	-18.23998	214.6902	1144.481	1144.481	1100.431	1095.109	.619557	17.5	0	
46	46	351.4581	84.13464	7480.52	1143.176	-18.23998	214.6902	1144.483	1144.483	1099.646	1094.556	.632087	17.5	0	
4	47	339.2446	85.03558	7480.52	1143.891	-18.23998	214.6902	1144.677	1144.677	1099.34	1094.003	.632	17.5	7	
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46  49  314.0787  67.26833  7480.52  1145.141 -18.23998  214.6902  1147.713  1147.713  1099.996  1094.796  .632  14.58547  7
4   50  231.876   56.23857  7480.52  1145.656 -9.119992  214.6902  1150.014  1150.014  1101.032  1095.975  .632  7.442309  7
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4   53  243.7346  60.10508  7480.52  1147.168 -52.55998  214.6902  1148.632  1148.632  1100.766  1096.283  .632  9.208746  0
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4   55  219.6829  49.80133  7480.52  1145.822 -70.07994  214.6902  1147.94   1147.94   1100.806  1095.819  .632  6.36508   0
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4   57  159.1255  39.15924  7480.52  1139.852 -70.07994  214.6902  1139.503  1139.503  1096.547  1091.547  .632  .632      0
4   58  156.0196  38.57333  7480.52  1135.505 -105.1199  214.6902  1134.522  1134.522  1093.994  1088.994  .632  .632      0
46  59  154.5375  38.31205  7480.52  1133.382 -140.1599  214.6902  1132.498  1132.498  1092.412  1087.412  .632  .632      0
4   60  153.9033  38.04413  7480.52  1132.044 -140.1599  214.6902  1131.399  1131.399  1091.287  1086.287  .632  .632      0
4   61  152.7306  37.37495  7480.52  1130.351 -140.1599  214.6902  1130.004  1130.004  1090.413  1085.413  .632  .632      0
46  62  148.7855  36.5776   7480.52  1126.662 -72.9599   214.6902  1126.959  1126.959  1089.704  1084.704  .633343  .633343  0
46  63  145.6194  36.65612  7480.52  1125.304 -72.9599   40000     1125.3    1124.3    1089.249  1084.249  .620042  .620042  13
4   64  148.0695  37.03806  7480.52  1126.8   -72.9599   40000     1126.8    1125.8    1089.075  1084.075  .632424  .632424  20
47  1   2121.487  519.136   7480.52  1090.114  0         40000     1090.1    1089.1    990.6454  985.6454  9.424905  18.85    19
47  2   2039.722  497.7597  7480.52  1088.597  0         214.6902  1113.477  1113.477  993.4007  988.4007  9.424905  18.85    0
4   3   1943.643  479.2295  7480.52  1086.05   0         40000     1086      1085      995.7677  990.7677  9.424905  18.85    16
4   4   1861.721  466.5849  7480.52  1086.947 -273.242   214.6902  1103.329  1103.329  999.757   994.757   9.424905  18.85    0
47  5   1829.4    445.2867  7480.52  1087.767 -273.242   214.6902  1105.321  1105.321  1002.997  997.9971  9.423435  18.84706 0
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47  19  72.8839   69.19885  3740.26  1118.701 -136.621   107.3451  1131.639  1131.639  1088.173  1083.168  .37299    1.488456 0
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47  38  146.1534  65.02836  3740.26  1137.882 -136.621   107.3451  1144.188  1144.188  1103.246  1095.334  .31919    .5       0
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47	45	483.0045	95.17252	7480.52	1142.557	-18.23998	214.6902	1144.459	1144.459	1101.872	1094.953	.60604	17.5	0
47	46	405.6329	88.54103	7480.52	1143.275	-18.23998	214.6902	1144.417	1144.417	1100.241	1093.92	.601235	17.5	6
4	47	329.6785	86.57286	7480.52	1144.011	-18.23998	214.6902	1144.405	1144.405	1099.226	1094.02	.632	17.5	7
47	48	364.3725	84.53413	7480.52	1144.71	-18.23998	214.6902	1146.983	1146.983	1099.766	1094.041	.632	17.5	7
47	49	336.1418	69.22037	7480.52	1145.319	-18.23998	214.6902	1148.597	1148.597	1100.338	1094.669	.632	14.58613	7
4	50	258.3188	56.9734	7480.52	1145.893	-9.119992	214.6902	1150.239	1150.239	1101.266	1096.179	.632	7.604457	7
4	51	239.5854	55.42653	7480.52	1146.502	-9.119992	214.6902	1150.172	1150.172	1101.28	1096.351	.632	6.735006	0
47	52	220.3313	58.45149	7480.52	1147.078	-13.67999	214.6902	1150.231	1150.231	1101.057	1096.059	.632	6.330936	7
4	53	240.0671	61.75923	7480.52	1147.563	-52.55998	214.6902	1148.739	1148.739	1100.544	1096.204	.632	10.18269	0
4	54	239.5042	58.3746	7480.52	1147.477	-70.07994	214.6902	1147.887	1147.887	1100.345	1096.006	.632	10.18269	0
47	55	219.9395	50.00661	7480.52	1146.582	-70.07994	214.6902	1146.616	1146.616	1100.796	1095.796	.632	6.303747	0
47	56	180.9243	42.50711	7480.52	1144.416	-70.07994	214.6902	1143.804	1143.804	1098.742	1093.742	.632	2.42101	0
4	57	161.1334	39.62701	7480.52	1141.297	-105.1199	214.6902	1140.351	1140.351	1096.771	1091.771	.632	.632	0
47	58	158.6088	39.06595	7480.52	1137.625	-140.1599	214.6902	1136.236	1136.236	1094.676	1089.676	.632	.632	0
47	59	156.5854	38.79816	7480.52	1135.207	-140.1599	214.6902	1133.738	1133.738	1092.969	1087.969	.632	.632	0
4	60	155.9464	38.61433	7480.52	1134.014	-140.1599	214.6902	1133.111	1133.111	1091.807	1086.807	.632	.632	0
4	61	154.6357	38.00407	7480.52	1132.638	-140.1599	214.6902	1134.808	1134.808	1090.864	1085.864	.632	.632	0
47	62	151.8628	37.02364	7480.52	1129.108	-72.9599	214.6902	1128.987	1128.987	1090.243	1085.243	.632	.632	0
47	63	148.3593	36.76612	7480.52	1125.514	-72.9599	40000	1125.5	1124.5	1089.488	1084.488	.632	.632	13
4	64	148.9325	36.9967	7480.52	1126.899	-72.9599	40000	1126.9	1125.9	1089.391	1084.391	.632142	.632142	20
48	1	2524.166	781.7494	11220.78	1091.078	0	60000	1091.1	1090.1	991.0616	986.0616	9.424905	18.85	19
48	2	2422.344	747.1222	11220.78	1089.262	0	322.0352	1121.89	1121.89	993.7697	988.7697	9.424905	18.85	0
4	3	2255.383	708.1671	11220.78	1086.208	0	60000	1086.1	1085.1	996.1014	991.1014	9.424905	18.85	16
4	4	1918.753	684.293	11220.78	1086.684	-409.863	322.0352	1104.335	1104.335	1000.311	995.3111	9.22457	18.44933	0
48	5	1540.688	618.296	11220.78	1087.254	-409.863	322.0352	1098.478	1098.478	1003.977	998.9771	9.41483	18.82985	0
4	6	1462.804	498.7203	11220.78	1088.425	-409.863	322.0352	1101.578	1101.578	1007.802	1002.802	7.85053	15.70122	0
4	7	1211.459	420.6109	11220.78	1089.702	-409.863	322.0352	1105.543	1105.543	1011.765	1006.765	6.341895	12.68392	0
48	8	1098.508	369.2803	11220.78	1090.892	-409.863	322.0352	1109.409	1109.409	1016.004	1011.004	5.90693	11.81398	0
4	9	915.5973	323.6033	11220.78	1092.059	-409.863	322.0352	1111.584	1111.584	1020.821	1015.821	5.156515	10.31313	0
4	10	847.6771	291.2841	11220.78	1093.185	-409.863	322.0352	1111.524	1111.524	1025.663	1020.663	4.870811	9.74172	0
4	11	761.8233	262.7004	11220.78	1094.249	-409.863	322.0352	1107.739	1107.739	1030.876	1025.876	4.50585	9.01179	0
4	12	668.5737	237.8877	11220.78	1095.265	-409.863	322.0352	1107.863	1107.863	1038.563	1033.563	4.477464	8.955015	0
4	13	569.3442	218.2902	11220.78	1096.326	-409.863	322.0352	1116.571	1116.571	1048.509	1043.509	4.509558	9.019205	0
4	14	534.0407	129.6275	11220.78	1097.593	-409.863	322.0352	1113.865	1113.865	1053.788	1048.788	4.519882	9.039855	0
48	15	338.8551	41.86787	11220.78	1099.67	-140.1599	322.0352	1125.206	1125.206	1061.887	1056.887	.3718275	1.487324	0
4	16	65.96353	37.25878	11220.78	1103.706	-105.1199	322.0352	1129.962	1129.962	1070.948	1065.948	.105508	.4220363	0
4	17	67.271	38.43208	11220.78	1110.048	-105.1199	322.0352	1135.625	1135.625	1081.004	1076.004	.105624	.4225	0
48	18	57.27375	99.007	8415.585	1115.958	-70.07994	241.5264	1138.461	1138.461	1085.583	1080.547	.0905825	.571486	0
48	19	50.86752	139.9041	5610.39	1118.155	-70.07994	161.0176	1138.451	1138.451	1086.616	1082.684	.643494	3.307545	0
4	20	95.81583	163.2267	5610.39	1119.449	-204.9315	161.0176	1135.899	1135.899	1089.136	1082.36	.993609	4.376913	0
4	21	68.37374	152.547	5610.39	1119.986	-204.9315	161.0176	1133.982	1133.982	1092.147	1082.696	.8278665	4.375	0
48	22	72.79642	250.7198	5610.39	1119.695	-36.47998	161.0176	1134.006	1134.006	1093.991	1085.46	.29428	4.375	0
4	23	167.0526	400.562	5610.39	1119.515	-36.47998	161.0176	1135.128	1135.128	1096.635	1086.462	.720013	17.5	0
4	24	144.5946	447.5595	5610.39	1119.529	-70.07994	161.0176	1135.73	1135.73	1098.864	1085.91	.865571	17.5	0
48	25	153.3602	465.3639	5610.39	1119.566	-70.07994	161.0176	1136.162	1136.162	1099.462	1085.758	.87	17.5	0
4	26	156.292	474.5576	5610.39	1119.685	-70.07994	161.0176	1134.121	1134.121	1100.134	1085.772	.870112	17.5	0
4	27	156.9332	468.9093	5610.39	1119.887	-70.07994	161.0176	1134.681	1134.681	1100.484	1086.044	.866173	17.5	0
48	28	154.1548	453.4893	5610.39	1120.149	-70.07994	161.0176	1134.531	1134.531	1100.865	1086.898	.837817	17.5	0
48	29	149.0823	438.2524	5610.39	1120.495	-70.07994	161.0176	1138.139	1138.139	1101.545	1088.188	.778274	17.5	0
4	30	145.287	399.2887	5610.39	1121.025	-70.07994	161.0176	1140.244	1140.244	1102.17	1089.142	.625922	17.5	0
4	31	135.634	355.4663	5610.39	1122.223	-70.07994	161.0176	1146.377	1146.377	1099.987	1089.365	.46831	17.5	3
48	32	132.0818	343.0757	5610.39	1123.573	-140.1599	161.0176	1147.016	1147.016	1099.462	1089.69	.424642	17.5	3
4	33	131.2817	240.0433	5610.39	1125.543	-140.1599	161.0176	1144.465	1144.465	1100.47	1090.77	.388303	17.5	0
4	34	97.96091	137.3488	5610.39	1127.911	-105.12	161.0176	1143.99	1143.99	1101.141	1091.766	.396956	3.5	10
48	35	93.07627	141.5217	5610.39	1130.89	-70.07996	161.0176	1142.99	1142.99	1101.3	1092.531	.388624	3.5	10
4	36	83.47688	144.2379	5610.39	1133.43	-70.07996	161.0176	1144.323	1144.323	1104.467	1093.555	.360358	3.5	10
	7	99.69945	241.8896	5610.39	1135.744	-140.1599	161.0176	1144.521	1144.521	1104.075	1094.577	.383385	3.5	10
48	38	134.2365	361.148	5610.39	1137.042	-204.9315	161.0176	1144.5	1144.5	1103.859	1094.445	.418852	17.5	0
48	39	134.7887	392.0994	5610.39	1137.705	-70.07996	161.0176	1144.5	1144.5	1104.943	1094.141	.471659	17.5	0
	40	207.436	205.2018	8415.585	1138.348	-70.07996	241.5264	1145.654	1145.654	1105.051	1093.383	.478952	17.5	0

49	37	165.6859	613.2245	7480.52	1133.84	-46.71996	214.6902	1145.568	1145.568	1105.233	1091.485	.522797	17.5	10
49	38	164.9504	594.5703	7480.52	1135.166	-70.07996	214.6902	1145.545	1145.545	1104.757	1090.807	.541971	17.5	10
49	39	153.6779	569.5184	7480.52	1136.238	-36.47996	214.6902	1145.546	1145.546	1105.736	1093.223	.575428	17.5	10
49	40	218.9568	286.0276	11220.78	1137.183	-36.47996	322.0352	1145.452	1145.452	1105.179	1092.922	.644061	17.5	10
49	41	292.0485	283.6389	14961.04	1138.722	-36.47996	429.3803	1147.028	1147.028	1105.201	1092.575	.54424	17.5	10
49	42	281.9755	281.986	14961.04	1139.967	-36.47996	429.3803	1147.195	1147.195	1104.316	1092.238	.536	17.5	10
49	43	283.0179	280.4769	14961.04	1141.011	-36.47996	429.3803	1146.703	1146.703	1104.045	1091.687	.536	17.5	0
49	44	277.0381	291.7387	14961.04	1141.916	-52.55996	429.3803	1145.582	1145.582	1103.521	1091.692	.535533	17.5	0
49	45	292.5534	284.2521	14961.04	1142.677	-18.23998	429.3803	1147.87	1147.87	1103.697	1089.901	.450151	17.5	0
49	46	279.0081	237.1427	14961.04	1143.432	-18.23998	429.3803	1148.846	1148.846	1103.055	1091.987	.466695	17.5	0
49	47	255.6214	208.5793	14961.04	1144.223	-18.23998	429.3803	1149.307	1149.307	1102.644	1094.347	.448003	17.5	0
49	48	217.9293	193.1662	14961.04	1144.987	-18.23998	429.3803	1149.296	1149.296	1101.687	1094.288	.587548	17.5	7
49	49	188.7578	167.6145	14961.04	1145.71	-18.23998	429.3803	1149.437	1149.437	1100.42	1094.457	.632	17.5	7
49	50	164.9931	149.3337	14961.04	1146.436	-9.119992	429.3803	1149.605	1149.605	1098.266	1094.117	.632	17.69407	7
49	51	155.7668	145.3808	14961.04	1147.184	-9.119992	429.3803	1149.823	1149.823	1098.407	1094.379	.632	16.28728	7
49	52	152.9637	137.4295	14961.04	1147.877	-13.67999	429.3803	1150.484	1150.484	1097.68	1094.006	.632	17.48754	8
49	53	142.1017	124.8939	14961.04	1148.432	-27.35998	429.3803	1149.256	1149.256	1100.319	1095.926	.632	11.33556	8
49	54	130.5354	115.5338	14961.04	1148.676	-36.47998	429.3803	1149.124	1149.124	1101.092	1096.423	.632	8.636168	0
49	55	111.3004	101.4136	14961.04	1148.556	-105.1199	429.3803	1150.082	1150.082	1101.325	1096.329	.632	6.314826	0
49	56	92.1993	87.27576	14961.04	1147.84	-140.1599	429.3803	1149.167	1149.167	1099.92	1094.92	.632	2.436956	0
49	57	83.64817	82.56353	14961.04	1146.227	-140.1599	429.3803	1147.616	1147.616	1097.57	1092.57	.632	.632	0
49	58	83.60352	82.28201	14961.04	1143.921	-140.1599	429.3803	1145.305	1145.305	1095	1090	.632	.632	0
49	59	83.17567	81.93202	14961.04	1141.25	-140.1599	429.3803	1140.902	1140.902	1091.452	1086.452	.632	.632	0
49	60	82.5367	81.29525	14961.04	1139.397	-140.1599	429.3803	1139.12	1139.12	1089.885	1084.885	.632	.632	0
49	61	81.50943	79.86055	14961.04	1137.487	-140.1599	429.3803	1138.848	1138.848	1088.835	1083.835	.632	.632	0
49	62	79.49333	77.7047	14961.04	1134.264	-72.9599	429.3803	1137.758	1137.758	1088.998	1083.998	.632	.632	0
49	63	77.08701	75.52592	14961.04	1130.573	-72.9599	429.3803	1135.73	1135.73	1088.697	1083.697	.632	.632	0
49	64	74.31184	74.45032	14961.04	1126.505	-72.9599	80000	1126.5	1125.5	1087.704	1082.704	.632	.632	20
5	1	4343.292	3839.544	14961.04	1092.816	-427.1996	80000	1092.9	1091.9	992.913	987.913	36.45955	72.9191	19
50	2	3944.927	3517.866	14961.04	1090.89	-427.1996	429.3803	1134.786	1134.786	995.6512	990.6512	34.37698	68.75396	0
50	3	3557.695	3046.625	14961.04	1088.687	-427.1996	429.3803	1126.618	1126.618	998.08	993.08	33.42288	66.84576	0
5	4	3065.43	2506.512	14961.04	1086.198	0	80000	1086.1	1085.1	1002.096	997.0965	28.41585	56.8317	16
5	5	2659.033	2171.286	14961.04	1086.147	0	80000	1086.1	1085.1	1005.387	1000.387	25.13019	50.26038	16
50	6	2327.382	1883.365	14961.04	1087.377	0	429.3803	1094.912	1094.912	1010.013	1005.013	22.91364	45.82728	0
5	7	1944.095	1656.301	14961.04	1088.629	-427.1996	429.3803	1104.098	1104.098	1014.462	1009.462	20.23453	40.46906	0
5	8	1803.802	1495.479	14961.04	1089.821	-427.1996	429.3803	1109.958	1109.958	1019.288	1014.288	19.19447	38.38894	0
50	9	1661.058	1345.591	14961.04	1090.987	-427.1996	429.3803	1116.358	1116.358	1024.333	1019.333	17.99472	35.98944	0
50	10	1472.167	1217.621	14961.04	1092.207	-427.1996	429.3803	1115.949	1115.949	1032.755	1027.755	17.9	35.8	0
5	11	1298.669	1085.819	14961.04	1093.48	-427.1996	429.3803	1116.146	1116.146	1040.913	1035.913	17.9	35.8	0
50	12	1111.171	952.3922	14961.04	1094.817	-316.7997	429.3803	1119.474	1119.474	1050.395	1045.395	17.93161	35.86322	0
50	13	799.1991	790.2177	14961.04	1096.321	-427.1996	429.3803	1125.468	1125.468	1059.222	1054.222	18.03084	36.06168	0
5	14	395.54	384.7114	14961.04	1097.935	-427.1996	429.3803	1128.294	1128.294	1067.163	1062.163	15.89271	31.78542	0
5	15	95.96483	84.22729	14961.04	1100.015	-35.03996	429.3803	1132.133	1132.133	1073.866	1068.866	.971936	1.943872	0
50	16	99.96758	133.4734	14961.04	1106.333	-35.03996	429.3803	1134.579	1134.579	1081.397	1076.397	1.26	2.52	0
5	17	198.4942	198.529	14961.04	1111.26	-26.27998	429.3803	1139.824	1139.824	1089.203	1084.203	4.889368	4.516696	0
5	18	226.152	570.6489	11220.78	1114.791	-17.51999	322.0352	1140.646	1140.646	1093.312	1088.305	4.14154	16.51618	0
50	19	216.6952	882.5398	7480.52	1116.055	-17.51999	214.6902	1137.556	1137.556	1096.744	1091.816	4.1651	45.04756	0
50	20	312.9298	1264.407	7480.52	1116.871	-17.51999	214.6902	1134.04	1134.04	1096.095	1090.288	4.04984	68.70748	0
5	21	415.8676	1611.308	7480.52	1117.417	-17.51999	214.6902	1136.186	1136.186	1099.25	1090.371	3.471212	70	0
50	22	500.3161	1905.616	7480.52	1117.859	-17.51999	214.6902	1141.027	1141.027	1101.635	1090.585	3.48	70	0
50	23	566.9189	1654.993	7480.52	1118.249	-17.51999	214.6902	1143.729	1143.729	1103.938	1090.666	3.48	70	0
5	24	338.1145	1279.823	7480.52	1118.707	-17.51999	214.6902	1146.74	1146.74	1105.953	1090.669	3.48	35	0
5	25	354.1073	1295.698	7480.52	1119.303	-17.51999	214.6902	1149.036	1149.036	1106.569	1090.587	3.48	35	0
50	26	344.2952	1294.864	7480.52	1119.909	-17.51999	214.6902	1148.885	1148.885	1106.388	1090.727	3.48	35	0
50	27	344.396	1308.319	7480.52	1120.542	-17.51999	214.6902	1148.562	1148.562	1106.299	1090.496	3.49378	35	0
5	28	343.6139	1294.586	7480.52	1121.202	-23.35998	214.6902	1148.645	1148.645	1106.211	1090.275	3.400144	35	0
5	29	335.412	968.8792	7480.52	1121.899	-23.35998	214.6902	1147.475	1147.475	1106.188	1090.481	2.506792	35	0
50	30	174.6698	660.8617	7480.52	1122.85	-23.35998	214.6902	1145.696	1145.696	1106.063	1090.482	.613552	17.5	10
5	31	173.7831	671.9115	7480.52	1124.252	-23.35998	214.6902	1144.934	1144.934	1105.985	1090.557	.60739	17.5	10
5	32	180.766	685.1419	7480.52	1125.67	-18.23998	214.6902	1144.426	1144.426	1105.939	1089.802	.596121	17.5	10

50	33	180.1381	681.4515	7480.52	1127.109	-12.15999	214.6902	1144.5	1144.5	1105.972	1089.906	.629092	17.5	10
5	34	176.0362	658.0751	7480.52	1128.592	-12.15999	214.6902	1144.5	1144.5	1105.718	1090.079	.731378	17.5	10
5	35	167.0284	646.5928	7480.52	1130.133	-12.15999	214.6902	1144.5	1144.5	1105.014	1090.583	.732232	17.5	10
50	36	171.6187	685.83	7480.52	1131.678	-12.15999	214.6902	1144.501	1144.501	1105.421	1090.587	.732348	17.5	10
5	37	181.0809	709.3209	7480.52	1133.081	-46.71996	214.6902	1144.204	1144.204	1107.082	1090.462	.744225	17.5	10
1	38	176.0146	679.9428	7480.52	1134.284	-36.47996	214.6902	1144.401	1144.401	1106.56	1090.331	.662286	17.5	10
5	39	168.3019	629.078	7480.52	1135.367	-36.47996	214.6902	1144.454	1144.454	1105.022	1090.113	.658661	17.5	10
50	40	242.2019	297.9633	11220.78	1136.368	-36.47996	322.0352	1144.457	1144.457	1105.712	1092.549	.67471	17.5	10
5	41	304.8869	290.385	14961.04	1138.086	-36.47996	429.3803	1145.124	1145.124	1105.327	1092.467	.677588	17.5	10
5	42	294.3632	283.0074	14961.04	1139.508	-36.47996	429.3803	1145.214	1145.214	1104.925	1092.523	.545008	17.5	10
50	43	278.7869	279.579	14961.04	1140.726	-36.47996	429.3803	1148.42	1148.42	1104.39	1092.216	.536556	17.5	10
5	44	273.0346	277.8528	14961.04	1141.775	-27.35998	429.3803	1147.397	1147.397	1103.631	1091.703	.536384	17.5	0
5	45	276.0638	287.3093	14961.04	1142.702	-18.23998	429.3803	1150.283	1150.283	1103.427	1091.68	.601679	17.5	0
50	46	289.9568	297.4868	14961.04	1143.559	-18.23998	429.3803	1150.886	1150.886	1103.505	1090.514	.524783	17.5	0
50	47	290.4646	264.9714	14961.04	1144.357	-18.23998	429.3803	1150.868	1150.868	1103.597	1090.427	.474571	17.5	0
5	48	243.0019	213.5209	14961.04	1145.14	-18.23998	429.3803	1150.297	1150.297	1103.333	1094.3	.585045	17.5	0
50	49	208.4419	186.1364	14961.04	1145.945	-18.23998	429.3803	1149.598	1149.598	1102.213	1095.437	.623957	17.5	7
50	50	174.235	171.4262	14961.04	1146.751	-9.119992	429.3803	1148.638	1148.638	1099.896	1094.287	.632	17.5	7
5	51	169.7084	163.3497	14961.04	1147.583	-9.119992	429.3803	1149.238	1149.238	1099.055	1094.138	.632	17.5	7
5	52	164.1607	157.6359	14961.04	1148.37	-13.67999	429.3803	1150.106	1150.106	1098.685	1094.101	.632	17.50726	8
50	53	155.7308	147.7432	14961.04	1149.036	-27.35998	429.3803	1150.269	1150.269	1098.605	1094.443	.632	17.62493	8
5	54	134.7943	126.302	14961.04	1149.429	-54.71994	429.3803	1150.197	1150.197	1099.577	1095.281	.632	13.99326	0
5	55	98.64981	102.0862	14961.04	1149.408	-72.9599	429.3803	1149.705	1149.705	1102.008	1097.013	.632	6.375774	0
50	56	90.33691	88.57171	14961.04	1149.084	-140.1599	429.3803	1149.657	1149.657	1098.905	1093.905	.632	2.352996	0
50	57	85.19331	84.68816	14961.04	1147.9	-140.1599	429.3803	1148.556	1148.556	1095.819	1090.819	.632	.632	0
5	58	84.90659	84.49718	14961.04	1146.03	-140.1599	429.3803	1146.498	1146.498	1092.348	1087.348	.632	.632	0
5	59	84.16367	83.78035	14961.04	1143.86	-140.1599	429.3803	1143.686	1143.686	1090.675	1085.675	.632	.632	0
50	60	83.40957	82.75088	14961.04	1142.138	-140.1599	429.3803	1142.298	1142.298	1089.917	1084.917	.632	.632	9
5	61	82.37405	81.14222	14961.04	1139.911	-140.1599	429.3803	1142.112	1142.112	1089.639	1084.639	.632	.632	9
5	62	80.4673	78.87565	14961.04	1136.732	-140.1599	429.3803	1142.053	1142.053	1089.445	1084.445	.632	.632	0
5	63	77.83615	75.87292	14961.04	1132.564	-140.1599	429.3803	1142.352	1142.352	1089.379	1084.379	.632	.632	0
5	64	74.21571	74.17337	14961.04	1127.107	-140.1599	80000	1127.1	1126.1	1089.261	1084.261	.632	.632	20
5	1	4454.744	4448.674	14961.04	1093.684	-106.7999	80000	1093.8	1092.8	993.4609	988.4609	43.27557	57.70074	19
51	2	4232.886	3984.756	14961.04	1091.546	-106.7999	429.3803	1136.932	1136.932	996.369	991.369	41.40717	55.20958	0
51	3	3869.089	3576.5	14961.04	1089.117	-106.7999	429.3803	1128.836	1128.836	998.911	993.911	38.16081	50.88108	0
5	4	3237.969	3217.951	14961.04	1086.327	0	80000	1086.2	1085.2	1003.2	998.1998	37.85457	50.47276	16
5	5	2657.087	2815.13	14961.04	1086.487	0	429.3803	1086.272	1086.272	1007.216	1002.216	34.65225	46.20302	0
51	6	2445.766	2388.113	14961.04	1087.258	0	429.3803	1095.259	1095.259	1011.835	1006.835	31.57122	42.09496	0
5	7	2101.167	2091.596	14961.04	1088.243	-106.7999	429.3803	1103.57	1103.57	1016.803	1011.803	27.16633	36.22178	0
5	8	1933.926	1969.38	14961.04	1089.298	-106.7999	429.3803	1111.596	1111.596	1021.816	1016.816	26.92647	35.90196	0
51	9	1820.37	1787.634	14961.04	1090.362	-106.7999	429.3803	1122.05	1122.05	1027.177	1022.177	26.8469	35.79586	0
51	10	1399.364	1553.215	14961.04	1091.527	-106.7999	429.3803	1123.747	1123.747	1037.031	1032.031	26.64833	35.5311	0
5	11	1073.432	1324.021	14961.04	1092.818	-106.7999	429.3803	1128.704	1128.704	1046.711	1041.711	26.57313	35.43084	0
51	12	670.9557	957.9774	14961.04	1094.207	-106.7999	429.3803	1136.27	1136.27	1054.301	1049.301	25.07622	33.43496	0
51	13	409.772	404.5214	14961.04	1095.724	-106.7999	429.3803	1133.279	1133.279	1063.75	1058.75	17.25349	23.00466	0
5	14	106.0363	106.7934	14961.04	1097.666	-8.75999	429.3803	1130.817	1130.817	1067.836	1062.836	1.590798	2.121064	0
5	15	111.5274	111.7051	14961.04	1102.445	-106.7999	429.3803	1128.931	1128.931	1072.399	1067.399	1.89	2.52	0
51	16	104.9977	164.9883	14961.04	1107.719	-106.7999	429.3803	1134.317	1134.317	1079.94	1074.94	1.897158	2.529544	0
5	17	213.2571	301.5013	14961.04	1111.642	-6.569995	429.3803	1139.492	1139.492	1088.669	1083.653	6.223168	5.90412	0
5	18	216.4552	899.204	11220.78	1114.535	-4.379998	322.0352	1137.268	1137.268	1094.689	1090.165	6.253784	46.66552	0
51	19	194.9543	1235.96	7480.52	1115.621	-4.379998	214.6902	1135.447	1135.447	1095.1	1090.19	6.160144	69.45184	0
51	20	315.8085	1650.782	7480.52	1116.412	-4.379998	214.6902	1137.784	1137.784	1098.792	1090.519	5.26642	70	0
	21	432.6939	2053.427	7480.52	1116.997	-4.379998	214.6902	1140.635	1140.635	1102.402	1090.889	5.22	70	0
5	22	540.043	2363.324	7480.52	1117.467	-4.379998	214.6902	1145.806	1145.806	1105.697	1091.236	5.22	70.0472	0
51	23	620.0759	1965.14	7480.52	1117.882	-4.379998	214.6902	1149.468	1149.468	1108.535	1091.459	1.74	68.8432	0
	24	360.6509	1489.064	7480.52	1118.392	-17.51999	214.6902	1149.527	1149.527	1110.407	1091.427	3.48	34.16072	0
	25	368.0824	1497.912	7480.52	1119.066	-17.51999	214.6902	1149.5	1149.5	1110.931	1091.331	3.48	35.07618	0
51	26	378.5967	1459.901	7480.52	1119.739	-17.51999	214.6902	1149.38	1149.38	1109.698	1091.123	3.48	35	0
5	27	368.4823	1443.72	7480.52	1120.438	-17.51999	214.6902	1148.131	1148.131	1109.086	1091.833	3.438852	35	0
	28	360.607	1421.518	7480.52	1121.16	-23.35998	214.6902	1146.18	1146.18	1108.671	1090.532	2.73308	35	0

51	29	355.8966	1071.448	7480.52	1121.906	-23.35998	214.6902	1144.5	1144.5	1108.371	1090.587	2.46	35	0
5	30	186.4713	732.9496	7480.52	1122.908	-23.35998	214.6902	1144.494	1144.494	1108.076	1090.372	.615	17.5	10
5	31	189.793	746.2847	7480.52	1124.366	-17.51999	214.6902	1144.247	1144.247	1107.865	1090.315	.615	17.5	10
51	32	195.7493	758.4745	7480.52	1125.799	-23.35998	214.6902	1143.611	1143.611	1107.717	1089.353	.615081	17.5	10
51	33	192.8511	743.2455	7480.52	1127.204	-23.35998	214.6902	1144.109	1144.109	1107.43	1089.28	.609672	17.5	10
5	34	178.8352	714.1831	7480.52	1128.619	-12.15999	214.6902	1144.109	1144.109	1106.53	1089.33	.736504	17.5	10
5	35	174.7485	707.9954	7480.52	1130.061	-12.15999	214.6902	1143.511	1143.511	1105.814	1089.748	.798837	17.5	10
51	36	184.8742	724.9684	7480.52	1131.458	-12.15999	214.6902	1143.84	1143.84	1106.409	1089.781	.798359	17.5	10
5	37	185.1466	719.0612	7480.52	1132.742	-24.31998	214.6902	1144.141	1144.141	1106.737	1089.782	.798898	17.5	10
5	38	180.6478	697.323	7480.52	1133.921	-36.47996	214.6902	1144.404	1144.404	1105.934	1089.774	.796239	17.5	10
51	39	174.0589	690.0012	7480.52	1135.003	-36.47996	214.6902	1144.5	1144.5	1105.395	1089.695	.709844	17.5	10
51	40	261.1571	329.8594	11220.78	1135.973	-36.47996	322.0352	1144.476	1144.476	1106.625	1090.754	.675061	17.5	10
5	41	326.4489	308.8651	14961.04	1137.687	-36.47996	429.3803	1144.918	1144.918	1106.276	1092.351	.676146	17.5	10
51	42	302.9579	290.1428	14961.04	1139.18	-36.47996	429.3803	1144.821	1144.821	1105.6	1092.303	.671263	17.5	10
51	43	283.9979	272.2425	14961.04	1140.494	-36.47996	429.3803	1148.48	1148.48	1104.36	1092.425	.514839	17.5	0
5	44	268.1155	271.2456	14961.04	1141.664	-27.35998	429.3803	1150.614	1150.614	1103.705	1092.217	.485127	17.5	0
5	45	271.2374	278.7113	14961.04	1142.705	-18.23998	429.3803	1150.465	1150.465	1103.519	1091.731	.493136	17.5	0
51	46	277.4906	282.9347	14961.04	1143.651	-18.23998	429.3803	1151.75	1151.75	1103.608	1091.463	.54954	17.5	0
5	47	280.8955	268.4951	14961.04	1144.519	-18.23998	429.3803	1152.758	1152.758	1103.724	1091.763	.606382	17.5	0
5	48	273.0255	237.9229	14961.04	1145.352	-18.23998	429.3803	1151.268	1151.268	1103.634	1093.179	.535479	17.5	0
51	49	241.4059	196.5405	14961.04	1146.177	-18.23998	429.3803	1150.502	1150.502	1102.759	1094.258	.544014	17.5	0
51	50	180.7116	172.5173	14961.04	1147.042	-9.119992	429.3803	1150.023	1150.023	1100.599	1095.273	.622132	17.5	7
5	51	172.0464	170.5194	14961.04	1147.983	-9.119992	429.3803	1150.02	1150.02	1100.169	1094.797	.632	17.5	0
5	52	177.117	162.2555	14961.04	1148.89	-13.67999	429.3803	1150.501	1150.501	1099.064	1094.095	.632	17.48052	8
51	53	134.9837	142.7818	14961.04	1149.717	-78.83994	429.3803	1150.401	1150.401	1099.248	1093.821	.632	14.00544	8
5	54	109.6149	107.1421	14961.04	1150.205	-140.1599	429.3803	1150.244	1150.244	1098.481	1093.321	.632	9.084374	8
5	55	85.96318	86.90056	14961.04	1149.938	-140.1599	429.3803	1149.711	1149.711	1096.472	1091.471	.632	.664927	0
51	56	87.02255	86.95851	14961.04	1149.597	-140.1599	429.3803	1149.584	1149.584	1095.11	1090.11	.632	1.0636	0
51	57	85.68031	85.41173	14961.04	1148.526	-140.1599	429.3803	1148.508	1148.508	1093.692	1088.692	.632	.632	0
5	58	84.85085	84.57306	14961.04	1146.751	-140.1599	429.3803	1146.511	1146.511	1093.065	1088.065	.632	.632	0
5	59	83.84508	83.79288	14961.04	1145.198	-140.1599	429.3803	1145.144	1145.144	1092.683	1087.683	.632	.632	9
5	60	83.14467	83.03275	14961.04	1143.65	-140.1599	429.3803	1144.501	1144.501	1092.118	1087.118	.632	.632	9
5	61	82.26926	81.69913	14961.04	1141.5	-140.1599	429.3803	1144.526	1144.526	1090.748	1085.748	.632	.632	9
5	62	80.69021	79.4278	14961.04	1138.309	-140.1599	429.3803	1144.826	1144.826	1090.439	1085.439	.632	.632	0
51	63	78.11536	76.17893	14961.04	1133.832	-140.1599	429.3803	1145.667	1145.667	1090.028	1085.028	.632	.632	0
5	64	74.30255	74.25805	14961.04	1127.708	-140.1599	80000	1127.7	1126.7	1089.96	1084.96	.632	.632	20
5	1	4345.284	4238.955	14961.04	1094.567	-106.7999	80000	1094.7	1093.7	994.1458	989.1458	39.49695	52.6626	19
52	2	3981.711	4117.219	14961.04	1092.17	-106.7999	429.3803	1140.741	1140.741	997.1078	992.1078	41.22135	54.96178	0
52	3	3598.338	3530.559	14961.04	1089.564	-106.7999	429.3803	1135.09	1135.09	999.8554	994.8554	41.34852	55.13134	0
5	4	2840.2	2677.105	14961.04	1086.343	0	80000	1086.2	1085.2	1004.302	999.3021	34.02816	45.3709	16
52	5	2289.363	2287.723	14961.04	1086.238	0	80000	1086.2	1085.2	1008.427	1003.427	26.94531	35.92708	16
52	6	2134.413	2158.821	14961.04	1087.068	0	429.3803	1098.638	1098.638	1013.854	1008.854	28.01419	37.35226	0
5	7	1961.548	1943.497	14961.04	1087.908	-79.19995	429.3803	1103.043	1103.043	1019.589	1014.589	26.88705	35.8494	0
5	8	1672.462	1784.916	14961.04	1088.811	-79.19995	429.3803	1110.349	1110.349	1024.918	1019.918	25.5791	34.10546	0
52	9	1478.468	1432.101	14961.04	1089.742	-106.7999	429.3803	1118.804	1118.804	1030.385	1025.385	25.69914	34.26552	0
5	10	848.9387	919.5807	14961.04	1090.791	-106.7999	429.3803	1122.783	1122.783	1040.212	1035.212	19.14607	25.5281	0
5	11	407.9442	420.3668	14961.04	1092.076	-106.7999	429.3803	1125.967	1125.967	1049.774	1044.774	13.63353	18.17804	0
52	12	124.521	122.7503	14961.04	1093.612	-4.559995	429.3803	1133.121	1133.121	1057.984	1052.984	2.218388	2.95785	0
52	13	109.8911	111.287	14961.04	1095.927	-8.75999	429.3803	1127.793	1127.793	1065.356	1060.356	1.855201	2.473602	0
5	14	110.6748	110.7702	14961.04	1099.182	-106.7999	429.3803	1125.801	1125.801	1069.63	1064.63	1.89	2.52	0
52	15	108.383	104.8199	14961.04	1102.873	-8.75999	429.3803	1113.186	1113.186	1074.637	1069.637	1.894002	2.525336	0
52	16	98.04727	153.2664	14961.04	1107.473	-8.75999	429.3803	1123.813	1123.813	1080.795	1075.795	1.625892	2.167856	0
5	17	208.2364	200.3627	14961.04	1110.916	-59.39995	429.3803	1137.663	1137.663	1088.589	1083.589	6.24	4.16	0
5	18	144.2474	457.8268	11220.78	1113.773	-2.279999	322.0352	1134.992	1134.992	1092.718	1087.718	6.198852	3.088732	0
52	19	130.0927	807.0905	7480.52	1115.124	-4.379998	214.6902	1131.827	1131.827	1097.117	1092.113	5.493084	23.2871	0
52	20	214.8635	1343.227	7480.52	1115.995	-4.379998	214.6902	1139.066	1139.066	1096.621	1090.781	5.22	67.3712	0
5	21	330.2962	1837.521	7480.52	1116.592	-4.379998	214.6902	1146.012	1146.012	1100.511	1090.97	5.22	70	0
52	22	431.4529	2277.151	7480.52	1117.081	-4.379998	214.6902	1150.039	1150.039	1104.557	1091.366	5.22	70	0
52	23	503.1258	1957.767	7480.52	1117.515	-4.379998	214.6902	1150.554	1150.554	1108.395	1091.642	1.74	70.11984	0
5	24	302.5052	1425.869	7480.52	1118.05	-17.51999	214.6902	1149.538	1149.538	1110.088	1091.722	3.48	34.93212	0

52	25	305.8994	1488.804	7480.52	1118.791	-17.51999	214.6902	1147.592	1147.592	1109.381	1091.478	3.48	35.00384	0
52	26	324.1417	1528.415	7480.52	1119.514	-17.51999	214.6902	1145.113	1145.113	1111.289	1091.181	3.469756	35	10
52	27	299.6317	1472.637	7480.52	1120.243	-17.51999	214.6902	1144.38	1144.38	1109.887	1090.809	3.035024	35	10
52	28	285.5348	1444.497	7480.52	1121.017	-23.35998	214.6902	1144.48	1144.48	1109.26	1090.749	2.443724	35	10
5	29	280.0629	1098.023	7480.52	1121.816	-23.35998	214.6902	1144.5	1144.5	1108.867	1090.604	2.46	35	10
[illegible]	30	148.6488	772.1074	7480.52	1122.877	-17.51999	214.6902	1144.5	1144.5	1108.795	1090.422	.615	17.5	10
5	31	157.3882	795.8845	7480.52	1124.379	-6.079994	214.6902	1144.527	1144.527	1109.508	1090.306	.615	17.5	10
5	32	161.807	795.9271	7480.52	1125.832	-12.15999	214.6902	1144.462	1144.462	1109.002	1089.354	.615	17.5	10
5	33	160.4823	743.4998	7480.52	1127.253	-12.15999	214.6902	1143.911	1143.911	1108.217	1089.139	.609578	17.5	10
52	34	162.9924	700.1515	7480.52	1128.709	-23.35998	214.6902	1143.637	1143.637	1106.85	1090.541	.736893	17.5	10
52	35	172.4448	730.4954	7480.52	1130.169	-23.35998	214.6902	1143.5	1143.5	1107.345	1091.147	.799	17.5	10
5	36	185.8321	755.1149	7480.52	1131.507	-23.35998	214.6902	1143.48	1143.48	1107.549	1089.669	.799	17.5	10
5	37	183.7909	744.1162	7480.52	1132.741	-46.71996	214.6902	1143.453	1143.453	1107.198	1089.7	.799	17.5	10
52	38	185.5049	721.5036	7480.52	1133.892	-70.07996	214.6902	1143.59	1143.59	1106.806	1089.7	.800435	17.5	10
5	39	180.5785	702.6534	7480.52	1134.939	-70.07996	214.6902	1144.496	1144.496	1105.783	1089.7	.773705	17.5	10
5	40	263.963	344.799	11220.78	1135.873	-36.47996	322.0352	1144.5	1144.5	1105.764	1089.7	.699585	17.5	10
52	41	343.7498	320.5417	14961.04	1137.527	-36.47996	429.3803	1144.433	1144.433	1106.174	1090.752	.664944	17.5	10
5	42	308.0865	296.813	14961.04	1139.01	-36.47996	429.3803	1145.542	1145.542	1105.723	1092.351	.57383	17.5	10
5	43	285.1826	279.8708	14961.04	1140.363	-36.47996	429.3803	1146.076	1146.076	1105.273	1092.3	.453738	17.5	0
52	44	268.3061	268.1073	14961.04	1141.589	-27.35998	429.3803	1148.625	1148.625	1104.117	1092.295	.329667	17.5	0
52	45	260.7028	270.0167	14961.04	1142.714	-18.23998	429.3803	1150.709	1150.709	1103.545	1091.766	.342043	17.5	0
5	46	267.9642	275.4514	14961.04	1143.75	-18.23998	429.3803	1152.145	1152.145	1103.52	1091.758	.430871	17.5	0
5	47	277.8929	285.426	14961.04	1144.703	-18.23998	429.3803	1152.726	1152.726	1103.578	1091.644	.52481	17.5	0
52	48	289.2289	276.5086	14961.04	1145.578	-18.23998	429.3803	1152.08	1152.08	1103.928	1091.423	.584655	17.5	0
5	49	255.0438	225.577	14961.04	1146.413	-18.23998	429.3803	1151.503	1151.503	1103.342	1092.54	.619229	17.19436	0
5	50	167.0894	180.2407	14961.04	1147.316	-9.119992	429.3803	1150.634	1150.634	1101.69	1095.246	.626776	17.36899	0
52	51	150.9653	178.6439	14961.04	1148.372	-9.119992	429.3803	1150.607	1150.607	1101.343	1095.417	.628995	15.44814	8
5	52	149.3603	149.8452	14961.04	1149.411	-39.41996	429.3803	1150.509	1150.509	1101.219	1094.437	.632	15.78306	8
5	53	113.0892	101.8167	14961.04	1150.398	-105.1199	429.3803	1150.935	1150.935	1099.305	1093.798	.632	5.734062	0
5	54	98.15309	88.43599	14961.04	1150.779	-140.1599	429.3803	1150.598	1150.598	1097.336	1092.34	.632	1.621894	0
[illegible]	55	86.63004	86.08517	14961.04	1150.06	-140.1599	429.3803	1149.49	1149.49	1095.305	1090.305	.632	.646634	9
[illegible]	56	86.21272	85.74437	14961.04	1149.316	-140.1599	429.3803	1148.841	1148.841	1094.572	1089.572	.632	.632	0
[illegible]	57	85.63109	85.11943	14961.04	1148.281	-140.1599	429.3803	1147.929	1147.929	1094.084	1089.084	.632	.632	0
52	58	84.67822	84.12286	14961.04	1146.799	-140.1599	429.3803	1146.481	1146.481	1093.765	1088.765	.632	.632	0
5	59	83.56982	83.19687	14961.04	1145.124	-140.1599	429.3803	1144.658	1144.658	1094.078	1089.078	.632	.632	0
[illegible]	60	82.93199	82.38119	14961.04	1144.069	-140.1599	429.3803	1143.945	1143.945	1094.065	1089.065	.632	.632	9
52	61	82.16649	81.26033	14961.04	1142.388	-140.1599	429.3803	1144.502	1144.502	1093.847	1088.847	.632	.632	9
52	62	80.51105	79.37776	14961.04	1139.32	-140.1599	429.3803	1144.872	1144.872	1092.264	1087.264	.632	.632	0
[illegible]	63	77.89906	76.23897	14961.04	1134.72	-140.1599	429.3803	1145.296	1145.296	1091.285	1086.285	.632	.632	0
5	64	74.2832	74.34705	14961.04	1128.308	-140.1599	80000	1128.3	1127.3	1090.648	1085.648	.632	.632	20
53	1	4279.714	4088.04	14961.04	1095.344	-106.7999	80000	1095.5	1094.5	994.9982	989.9982	41.1774	54.9032	19
[illegible]	2	3468.654	3462.83	14961.04	1092.948	-106.7999	429.3803	1143.628	1143.628	997.967	992.967	36.5415	48.72198	0
[illegible]	3	2885.897	2907.979	14961.04	1090.194	-106.7999	429.3803	1138.69	1138.69	1000.887	995.8874	32.87205	43.8294	0
53	4	2471.646	2452.458	14961.04	1086.491	0	80000	1086.3	1085.3	1005.375	1000.375	29.65399	39.53866	16
[illegible]	5	2145.594	2136.053	14961.04	1086.32	0	80000	1086.3	1085.3	1009.462	1004.462	26.84219	35.78958	16
[illegible]	6	1858.838	1937.14	14961.04	1086.892	0	429.3803	1103.06	1103.06	1015.484	1010.484	25.20906	33.61208	0
53	7	1630.088	1690.513	14961.04	1087.539	-79.19995	429.3803	1101.4	1101.4	1021.528	1016.528	25.3401	33.7868	0
53	8	1375.675	1366.015	14961.04	1088.259	-79.19995	429.3803	1108.124	1108.124	1028.023	1023.023	22.0069	29.34254	0
[illegible]	9	1172.684	895.3057	14961.04	1089.014	-106.7999	429.3803	1117.502	1117.502	1035.305	1030.305	19.70634	26.27512	0
[illegible]	10	544.9316	337.3022	14961.04	1089.83	-8.75999	429.3803	1124.465	1124.465	1043.404	1038.404	9.938463	13.25128	0
53	11	115.2373	112.0984	14961.04	1091.176	-8.75999	429.3803	1134.845	1134.845	1051.83	1046.83	1.527201	2.036268	0
	12	111.5054	111.6618	14961.04	1093.271	-8.75999	429.3803	1137.235	1137.235	1061.031	1056.031	1.89	2.52	0
	13	107.1941	109.279	14961.04	1095.895	-8.75999	429.3803	1135.025	1135.025	1067.594	1062.594	1.89	2.52	0
53	14	107.0011	108.2876	14961.04	1099.251	-106.7999	429.3803	1127.445	1127.445	1070.593	1065.593	1.89	2.52	0
[illegible]	15	100.16	101.6104	14961.04	1102.561	-8.75999	429.3803	1112.432	1112.432	1075.693	1070.693	1.861161	2.481548	0
	16	96.14943	153.0173	14961.04	1106.662	-8.75999	429.3803	1109.928	1109.928	1080.203	1075.203	1.551567	2.068756	0
[illegible]	17	210.8778	200.2036	14961.04	1109.677	-59.39995	429.3803	1130.828	1130.828	1086.854	1081.854	6.22976	4.153172	0
53	18	141.5828	447.2037	11220.78	1112.305	-2.279999	322.0352	1132.723	1132.723	1090.412	1085.412	5.795028	3.363608	0
	19	109.0014	572.7344	7480.52	1113.706	-2.279999	214.6902	1137.619	1137.619	1093.986	1088.986	5.203728	21.12582	0
[illegible]	20	121.1939	837.4117	7480.52	1114.914	-4.379998	214.6902	1140.499	1140.499	1097.308	1092.344	5.22	35.42732	0

53	21	182.634	1209.476	7480.52	1115.769	-4.379998	214.6902	1144.084	1144.084	1096.233	1090.722	5.22	67.24424	0
5	22	246.4589	1461.164	7480.52	1116.395	-4.379998	214.6902	1146.707	1146.707	1098.443	1090.689	5.22	70.47556	0
53	23	251.5112	1264.757	7480.52	1116.948	-4.379998	214.6902	1148.212	1148.212	1100.804	1090.86	1.74	70	0
53	24	187.9815	1007.75	7480.52	1117.57	-17.51999	214.6902	1147.064	1147.064	1102.274	1091.119	3.48	35	0
	25	200.4857	1031.36	7480.52	1118.344	-17.51999	214.6902	1145.363	1145.363	1102.785	1090.988	3.487652	35	0
	26	198.9578	966.6788	7480.52	1119.097	-17.51999	214.6902	1144.627	1144.627	1102.557	1090.771	3.31476	35	0
53	27	185.8636	868.0294	7480.52	1119.875	-17.51999	214.6902	1144.5	1144.5	1100.761	1090.596	2.446816	35	0
53	28	176.5814	817.8942	7480.52	1120.718	-23.35998	214.6902	1144.5	1144.5	1099.591	1090.541	2.46	35	10
5	29	177.5487	616.8235	7480.52	1121.594	-17.51999	214.6902	1144.5	1144.5	1098.964	1090.485	2.46	35	10
53	30	95.45768	452.0403	7480.52	1122.764	-11.67999	214.6902	1144.5	1144.5	1099.1	1090.351	.615	17.5	10
53	31	100.7487	480.896	7480.52	1124.392	-11.67999	214.6902	1144.5	1144.5	1100.115	1090.244	.615	17.5	10
	32	106.9221	493.23	7480.52	1125.968	-23.35998	214.6902	1144.517	1144.517	1099.657	1089.34	.615	17.5	10
5	33	108.729	550.399	7480.52	1127.547	-23.35998	214.6902	1144.122	1144.122	1099.609	1089.14	.609578	17.5	10
53	34	118.5248	641.5972	7480.52	1129.049	-23.35998	214.6902	1143.45	1143.45	1103.963	1090.525	.736893	17.5	10
	35	131.7326	702.6121	7480.52	1130.413	-23.35998	214.6902	1143.5	1143.5	1106.678	1091.132	.799	17.5	10
	36	139.3749	723.3771	7480.52	1131.685	-23.35998	214.6902	1143.5	1143.5	1106.665	1089.818	.799	17.5	10
53	37	145.2669	733.0669	7480.52	1132.906	-46.71996	214.6902	1143.5	1143.5	1106.299	1089.68	.799	17.5	10
53	38	149.9683	742.8302	7480.52	1134.043	-70.07996	214.6902	1143.466	1143.466	1107.009	1089.7	.799747	17.5	10
	39	152.0068	723.5621	7480.52	1135.055	-70.07996	214.6902	1143.694	1143.694	1106.836	1089.7	.778418	17.5	10
53	40	225.0552	350.9015	11220.78	1135.969	-70.07996	322.0352	1144.107	1144.107	1105.899	1089.7	.724159	17.5	10
53	41	338.3799	331.2945	14961.04	1137.549	-36.47996	429.3803	1143.97	1143.97	1105.766	1089.7	.595601	17.5	10
	42	314.2106	296.4561	14961.04	1138.968	-36.47996	429.3803	1144.492	1144.492	1105.424	1091.036	.416515	17.5	0
	43	273.4432	273.6178	14961.04	1140.316	-36.47996	429.3803	1144.687	1144.687	1104.908	1092.3	.2604	17.5	0
53	44	275.4963	260.9016	14961.04	1141.57	-27.35998	429.3803	1149.237	1149.237	1104.47	1092.3	.184417	17.5	0
53	45	253.6499	258.6503	14961.04	1142.743	-18.23998	429.3803	1153.165	1153.165	1103.574	1092.31	.186485	17.5	0
	46	257.5233	270.4058	14961.04	1143.854	-18.23998	429.3803	1153.364	1153.364	1103.59	1091.928	.28082	17.5	0
53	47	262.6777	281.6959	14961.04	1144.871	-18.23998	429.3803	1153.417	1153.417	1103.759	1091.603	.373455	17.5	0
53	48	261.011	267.7641	14961.04	1145.798	-18.23998	429.3803	1152.587	1152.587	1103.997	1091.67	.533648	17.5	0
	49	232.3531	196.5562	14961.04	1146.676	-18.23998	429.3803	1152.5	1152.5	1103.061	1092.501	.606641	16.43689	0
	50	165.2505	137.8141	14961.04	1147.641	-9.119992	429.3803	1152.79	1152.79	1101.495	1095.401	.614777	10.90568	0
5	51	135.3554	121.6817	14961.04	1148.789	-13.67999	429.3803	1152.143	1152.143	1100.759	1095.543	.622944	9.967048	0
	52	97.77187	112.6044	14961.04	1150.022	-52.55998	429.3803	1150.538	1150.538	1101.276	1096.279	.632023	6.317786	0
	53	102.1535	109.4256	14961.04	1151.245	-105.1199	429.3803	1155.096	1155.096	1099.839	1094.836	.631779	6.281135	0
53	54	97.76988	96.34714	14961.04	1151.829	-140.1599	429.3803	1155.232	1155.232	1098.092	1093.092	.632	4.545309	0
5	55	86.99292	86.75757	14961.04	1151.393	-140.1599	429.3803	1151.332	1151.332	1095.502	1090.502	.632	.665938	0
	56	86.53377	86.09944	14961.04	1150.056	-140.1599	429.3803	1149.707	1149.707	1094.521	1089.521	.632	.632	0
53	57	85.65964	85.18988	14961.04	1148.605	-140.1599	429.3803	1148.305	1148.305	1094.045	1089.045	.632	.632	0
53	58	84.12691	84.12518	14961.04	1146.979	-140.1599	429.3803	1147.503	1147.503	1094.224	1089.224	.632	.632	0
	59	83.55257	83.30495	14961.04	1145.129	-140.1599	429.3803	1144.631	1144.631	1093.884	1088.884	.632	.632	0
	60	83.15707	82.71729	14961.04	1144.052	-140.1599	429.3803	1143.592	1143.592	1093.728	1088.728	.632	.632	9
53	61	82.5528	81.4172	14961.04	1142.922	-140.1599	429.3803	1143.518	1143.518	1093.364	1088.364	.632	.632	9
	62	80.57195	79.03235	14961.04	1140.03	-140.1599	429.3803	1145.584	1145.584	1093.866	1088.866	.632	.632	0
	63	77.68713	75.94328	14961.04	1135.402	-140.1599	429.3803	1146.017	1146.017	1093.404	1088.404	.632	.632	0
53	64	73.69841	74.21935	14961.04	1128.808	-140.1599	80000	1128.8	1127.8	1091.7	1086.7	.632	.632	20
54	1	3570.109	3660.328	14961.04	1095.481	-106.7999	80000	1095.5	1094.5	995.9852	990.9852	38.60253	51.47004	19
	2	2963.787	2891.72	14961.04	1093.737	-106.7999	429.3803	1143.066	1143.066	998.717	993.717	31.14423	41.52564	0
54	3	2480.808	2449.564	14961.04	1091.369	-106.7999	429.3803	1138.129	1138.129	1001.352	996.3524	26.476	35.30134	0
54	4	2178.022	2164.782	14961.04	1088.657	0	429.3803	1123.298	1123.298	1006.327	1001.327	25.63041	34.17388	0
	5	1852.571	1868.379	14961.04	1086.404	0	80000	1086.3	1085.3	1010.513	1005.513	24.0837	32.1116	16
	6	1615.011	1551.786	14961.04	1086.671	0	429.3803	1104.794	1104.794	1016.991	1011.991	22.08324	29.44432	0
54	7	1357.438	1315.249	14961.04	1087.069	-79.19995	429.3803	1099.327	1099.327	1023.132	1018.132	19.15579	25.54106	0
5	8	1208.974	1182.344	14961.04	1087.665	-79.19995	429.3803	1103.55	1103.55	1030.849	1025.849	19.06065	25.4142	0
	9	1072.77	822.3101	14961.04	1088.263	-79.19995	429.3803	1109.313	1109.313	1039.136	1034.136	19.41672	25.88896	0
54	10	519.3008	322.8667	14961.04	1088.826	-8.75999	429.3803	1116.107	1116.107	1045.942	1040.942	9.823938	13.09858	0
54	11	114.8037	114.6443	14961.04	1089.819	-8.75999	429.3803	1122.108	1122.108	1053.411	1048.411	1.89	2.52	0
	12	105.0571	107.0377	14961.04	1092.291	-8.75999	429.3803	1128.289	1128.289	1063.726	1058.726	1.89	2.52	0
	13	103.6472	104.9162	14961.04	1095.097	-8.75999	429.3803	1135.463	1135.463	1068.402	1063.402	1.89	2.52	0
54	14	98.12337	98.87351	14961.04	1098.406	-106.7999	429.3803	1124.853	1124.853	1072.468	1067.468	1.85608	2.474774	0
	15	92.52019	94.69907	14961.04	1101.558	-8.75999	429.3803	1110.667	1110.667	1076.524	1071.524	1.554195	2.07226	0
	16	94.5999	154.0099	14961.04	1105.291	-8.75999	429.3803	1123.755	1123.755	1079.454	1074.454	1.56	2.08	0

54	17	201.3169	199.4513	14961.04	1107.867	-3.419997	429.3803	1133.448	1133.448	1083.803	1078.803	6.07476	4.04984	0
5	18	142.1725	366.3561	11220.78	1110.097	-2.279999	322.0352	1137.933	1137.933	1086.51	1081.51	5.206816	3.471212	0
5	19	92.85538	348.0469	7480.52	1111.404	-2.279999	214.6902	1140.552	1140.552	1089.31	1084.31	5.22	3.48	0
54	20	89.91374	377.9	7480.52	1112.775	-4.379998	214.6902	1142.823	1142.823	1092.026	1087.026	5.22	2.479192	0
5	21	99.4882	506.8957	7480.52	1114.05	-4.379998	214.6902	1146.337	1146.337	1094.539	1089.537	5.22	11.92244	0
	22	121.4418	530.7169	7480.52	1114.986	-4.379998	214.6902	1146.19	1146.19	1096.317	1091.319	5.22	30.28248	0
54	23	84.72708	493.2141	7480.52	1115.891	-4.379998	214.6902	1146.787	1146.787	1097.662	1092.782	1.74	31.3223	0
54	24	99.39815	546.119	7480.52	1116.758	-17.51999	214.6902	1147.449	1147.449	1094.806	1090.497	3.49378	31.27174	0
5	25	102.9544	566.4142	7480.52	1117.609	-17.51999	214.6902	1146.977	1146.977	1095.686	1090.603	3.400144	32.15016	0
5	26	101.569	572.6069	7480.52	1118.461	-17.51999	214.6902	1145.353	1145.353	1095.934	1090.53	2.50642	32.4311	0
54	27	113.8873	581.7507	7480.52	1119.313	-17.51999	214.6902	1144.367	1144.367	1095.401	1090.175	2.46	35.47692	0
5	28	111.3622	598.626	7480.52	1120.203	-17.51999	214.6902	1144.089	1144.089	1096.141	1090.596	2.46	32.75922	10
!	29	113.7814	475.202	7480.52	1121.119	-11.67999	214.6902	1143.528	1143.528	1096.101	1090.339	2.46	34.6272	10
54	30	62.68975	332.7852	7480.52	1122.338	-11.67999	214.6902	1143.453	1143.453	1096.041	1090.253	.615	17.5	10
54	31	63.48692	349.7873	7480.52	1124.092	-11.67999	214.6902	1143.453	1143.453	1095.934	1090.143	.615	17.5	10
!	32	72.49558	369.3745	7480.52	1125.767	-23.35998	214.6902	1143.454	1143.454	1095.9	1089.254	.615	17.5	10
54	33	72.21085	358.6162	7480.52	1127.341	-23.35998	214.6902	1143.473	1143.473	1096.103	1089.281	.609578	17.5	10
54	34	70.46745	359.4323	7480.52	1128.917	-23.35998	214.6902	1143.5	1143.5	1096.358	1090.665	.736893	17.5	10
!	35	78.27122	381.8176	7480.52	1130.433	-23.35998	214.6902	1143.5	1143.5	1097.652	1091.215	.799	17.5	10
!	36	79.96261	415.1901	7480.52	1131.844	-23.35998	214.6902	1143.5	1143.5	1097.575	1090.798	.799	17.5	10
54	37	92.85475	447.874	7480.52	1133.149	-46.71996	214.6902	1143.5	1143.5	1098.015	1089.761	.799	17.5	10
5	38	100.3277	465.0701	7480.52	1134.315	-70.07996	214.6902	1143.5	1143.5	1098.277	1089.7	.799	17.5	10
!	39	106.268	484.6121	7480.52	1135.344	-70.07996	214.6902	1143.492	1143.492	1098.873	1089.7	.800537	17.5	10
54	40	170.3813	287.5519	11220.78	1136.252	-70.07996	322.0352	1144.346	1144.346	1099.531	1089.7	.718635	17.5	10
54	41	274.5799	321.296	14961.04	1137.719	-36.47996	429.3803	1144.513	1144.513	1104.688	1089.7	.542605	17.5	10
!	42	275.3026	291.1977	14961.04	1139.039	-36.47996	429.3803	1144.5	1144.5	1104.266	1089.671	.302214	17.5	10
!	43	264.8257	275.3216	14961.04	1140.346	-36.47996	429.3803	1144.775	1144.775	1104.235	1092.112	.203676	17.5	0
54	44	268.0123	268.2446	14961.04	1141.592	-27.35998	429.3803	1146.598	1146.598	1103.947	1092.3	.791594	17.5	0
!	45	251.0538	252.523	14961.04	1142.78	-35.03996	429.3803	1152.607	1152.607	1103.461	1092.3	.254212	17.5	0
!	46	236.4032	249.7953	14961.04	1143.942	-35.03996	429.3803	1153.405	1153.405	1103.047	1092.214	.308418	17.5	0
!	47	225.1518	241.9928	14961.04	1145.038	-35.03996	429.3803	1154.076	1154.076	1102.881	1092.158	.29021	17.5	0
!	48	216.6851	225.6	14961.04	1146.074	-35.03996	429.3803	1156.863	1156.863	1101.189	1091.738	.474428	17.5	0
!	49	202.7898	201.0474	14961.04	1147.083	-35.03996	429.3803	1158.442	1158.442	1099.788	1091.695	.568348	17.33845	0
54	50	184.8764	162.7918	14961.04	1148.107	-26.27998	429.3803	1158.981	1158.981	1097.672	1091.551	.608709	17.46782	0
54	51	140.5435	111.4456	14961.04	1149.217	-35.03998	429.3803	1157.998	1157.998	1098.665	1093.312	.618619	11.03612	0
!	52	94.87634	87.32097	14961.04	1150.545	-52.55998	429.3803	1156.134	1156.134	1100.586	1095.583	.617026	.650383	0
	53	90.79231	90.49774	14961.04	1151.879	-105.1199	429.3803	1158.177	1158.177	1099.046	1094.046	.628414	1.748673	0
54	54	87.96574	88.41566	14961.04	1152.532	-140.1599	429.3803	1157.626	1157.626	1097.807	1092.807	.632057	1.285075	9
5	55	86.9964	86.76911	14961.04	1152.259	-140.1599	429.3803	1153.956	1153.956	1096.704	1091.704	.632	.632	0
!	56	86.38866	86.09396	14961.04	1151.005	-140.1599	429.3803	1153.009	1153.009	1095.579	1090.579	.632	.632	0
54	57	85.21832	84.59666	14961.04	1148.958	-140.1599	429.3803	1150.172	1150.172	1094.962	1089.962	.632	.632	0
54	58	83.33525	83.55429	14961.04	1145.696	-140.1599	429.3803	1144.578	1144.578	1094.726	1089.726	.632	.632	0
!	59	83.36674	83.40469	14961.04	1145.224	-140.1599	429.3803	1144.894	1144.894	1094.31	1089.31	.632	.632	0
54	60	83.25168	82.99258	14961.04	1144.769	-140.1599	429.3803	1144.689	1144.689	1094.047	1089.047	.632	.632	9
54	61	82.45877	81.70753	14961.04	1143.474	-140.1599	429.3803	1144.536	1144.536	1093.642	1088.642	.632	.632	9
!	62	80.62437	79.22673	14961.04	1140.618	-140.1599	429.3803	1145.783	1145.783	1093.92	1088.92	.632	.632	0
!	63	77.65398	75.44225	14961.04	1136.018	-140.1599	429.3803	1146.076	1146.076	1094.232	1089.232	.632	.632	0
54	64	73.30486	73.17747	14961.04	1129.408	-140.1599	80000	1129.4	1128.4	1095.067	1090.067	.632	.632	20
5	1	2766.684	2873.569	14961.04	1096.972	-106.7999	80000	1097.1	1096.1	997.5297	992.5297	28.14791	37.53054	19
	2	2590.499	2552.875	14961.04	1094.779	-106.7999	429.3803	1142.063	1142.063	1000.079	995.0786	26.6772	35.5696	0
55	3	2331.054	2209.266	14961.04	1092.611	-106.7999	429.3803	1137.933	1137.933	1002.887	997.8868	24.32022	32.42696	0
55	4	1967.665	1865.811	14961.04	1090.305	-106.7999	429.3803	1124.083	1124.083	1007.629	1002.629	22.55787	30.07716	0
	5	1631.006	1599.203	14961.04	1088.106	-106.7999	429.3803	1111.999	1111.999	1012.212	1007.212	20.05037	26.73382	0
	6	1460.551	1420.664	14961.04	1086.345	-106.7999	80000	1086.3	1085.3	1018.55	1013.55	19.87439	26.49918	16
55	7	1311.309	1251.163	14961.04	1086.324	0	80000	1086.3	1085.3	1024.694	1019.694	18.97106	25.29474	16
	8	1147.128	1099.4	14961.04	1086.988	0	429.3803	1097.614	1097.614	1033.456	1028.456	18.9	25.2	0
	9	989.9913	769.7609	14961.04	1087.595	-106.7999	429.3803	1103.514	1103.514	1042.94	1037.94	19.25768	25.6769	0
55	10	641.5211	311.2378	14961.04	1088.03	-8.75999	429.3803	1114.329	1114.329	1048.957	1043.957	10.38973	13.85297	0
5	11	297.455	105.2166	14961.04	1088.705	-8.75999	429.3803	1121.846	1121.846	1056.002	1051.002	1.740627	2.320836	0
	12	105.1509	101.6666	14961.04	1091.01	-8.75999	429.3803	1121.78	1121.78	1066.163	1061.163	1.89	2.52	0

55	13	97.05904	96.85435	14961.04	1093.738	-8.75999	429.3803	1134.287	1134.287	1069.423	1064.423	1.89193	2.522574	0
	14	90.59854	91.77005	14961.04	1096.762	-8.75999	429.3803	1121.452	1121.452	1072.455	1067.455	1.569746	2.092994	0
	15	90.7663	92.42102	14961.04	1099.929	-8.75999	429.3803	1115.855	1115.855	1076.487	1071.487	1.56	2.08	0
55	16	90.64114	141.9069	14961.04	1103.359	-8.75999	429.3803	1132.74	1132.74	1078.915	1073.915	1.561321	2.081762	0
	17	188.5965	191.429	14961.04	1105.721	-6.569995	429.3803	1135.91	1135.91	1081.438	1076.438	5.249312	3.49954	0
	18	144.2636	384.192	11220.78	1107.654	-4.379998	322.0352	1140.057	1140.057	1082.854	1077.854	5.22	3.48	0
	19	96.34425	383.0295	7480.52	1108.708	-4.379998	214.6902	1142.945	1142.945	1084.121	1079.121	5.22	3.48	0
55	20	97.19388	379.7078	7480.52	1109.804	-4.379998	214.6902	1144.814	1144.814	1085.326	1080.326	5.22	3.48	0
	21	97.27724	376.8242	7480.52	1110.943	-4.379998	214.6902	1145.465	1145.465	1087.113	1082.113	5.22	3.48	0
	22	98.08179	293.9584	7480.52	1112.056	-4.379998	214.6902	1145.28	1145.28	1088.247	1083.247	5.22	3.48	0
55	23	53.10481	243.2868	7480.52	1113.333	-4.379998	214.6902	1144.532	1144.532	1089.254	1084.254	1.75136	3.250072	0
	24	65.50781	263.2911	7480.52	1114.685	-17.51999	214.6902	1145.054	1145.054	1091.12	1086.12	3.194556	3.018466	0
	25	60.81367	251.6793	7480.52	1115.855	-17.51999	214.6902	1144.7	1144.7	1093.345	1088.345	2.533636	4.1099	0
55	26	61.07475	289.2182	7480.52	1116.998	-17.51999	214.6902	1143.968	1143.968	1094.274	1089.274	2.451772	4.474494	0
	27	71.36829	319.2474	7480.52	1118.003	-13.13999	214.6902	1141.811	1141.811	1095.069	1089.996	2.46	11.50276	0
	28	70.02328	301.9486	7480.52	1118.967	-11.67999	214.6902	1141.618	1141.618	1094.591	1089.571	2.46	9.579596	0
	29	67.51834	230.6828	7480.52	1120.022	-11.67999	214.6902	1142.295	1142.295	1093.749	1089.068	2.46	7.05748	10
55	30	38.3992	171.9215	7480.52	1121.444	-11.67999	214.6902	1142.736	1142.736	1093.997	1089.366	.615	4.301069	10
	31	39.47459	194.1427	7480.52	1123.406	-11.67999	214.6902	1143.4	1143.4	1094.33	1089.645	.615	4.45471	10
	32	45.61196	209.4513	7480.52	1125.227	-23.35998	214.6902	1143.5	1143.5	1094.746	1089.859	.615	8.219653	10
55	33	44.65926	212.097	7480.52	1126.946	-23.35998	214.6902	1143.5	1143.5	1095.255	1090.448	.612211	7.174969	10
	34	47.32548	235.5223	7480.52	1128.667	-23.35998	214.6902	1143.5	1143.5	1095.912	1091.245	.731436	7.994923	10
	35	53.25472	251.1177	7480.52	1130.263	-23.35998	214.6902	1143.36	1143.36	1097.891	1092.93	.804583	10.23046	10
55	36	53.93648	276.0793	7480.52	1131.803	-23.35998	214.6902	1142.603	1142.603	1098.027	1093.049	.799	9.943874	10
55	37	62.63004	324.856	7480.52	1133.25	-46.71996	214.6902	1142.421	1142.421	1095.669	1090.82	.799	14.88447	10
	38	74.72583	361.3127	7480.52	1134.466	-70.07996	214.6902	1142.425	1142.425	1094.938	1089.608	.799	17.71182	10
	39	80.19734	394.8098	7480.52	1135.483	-70.07996	214.6902	1142.417	1142.417	1095.826	1089.7	.799024	17.5	10
55	40	140.0182	214.203	11220.78	1136.329	-70.07996	322.0352	1143.228	1143.228	1097.14	1089.7	.746683	17.5	10
	41	202.9542	228.5865	14961.04	1137.793	-70.07996	429.3803	1144.004	1144.004	1098.346	1089.7	.536935	17.5	10
	42	219.2103	248.9305	14961.04	1139.151	-70.07996	429.3803	1144.248	1144.248	1099.805	1089.7	.28934	17.5	10
	43	237.1494	257.5164	14961.04	1140.389	-36.47996	429.3803	1145.311	1145.311	1101.569	1089.901	.23024	17.5	10
	44	236.0582	250.8215	14961.04	1141.607	-52.55996	429.3803	1145.578	1145.578	1102.614	1092.252	.603348	17.5	10
	45	215.734	234.934	14961.04	1142.782	-35.03996	429.3803	1148.335	1148.335	1101.671	1092.311	.86201	17.5	0
55	46	198.3102	211.7597	14961.04	1143.978	-35.03996	429.3803	1153.778	1153.778	1100.954	1092.316	.509213	17.5	0
55	47	184.8345	199.8441	14961.04	1145.183	-35.03996	429.3803	1158.92	1158.92	1100.353	1092.304	.282963	17.41801	0
	48	176.7694	193.8749	14961.04	1146.357	-35.03996	429.3803	1160.353	1160.353	1099.673	1092.231	.445546	17.26112	0
	49	166.677	186.6188	14961.04	1147.488	-52.55996	429.3803	1163.594	1163.594	1098.866	1092.102	.537801	16.97834	0
55	50	157.7	162.6281	14961.04	1148.52	-35.03998	429.3803	1170.065	1170.065	1097.594	1091.673	.606368	17.56163	0
	51	132.2791	123.9742	14961.04	1149.614	-35.03998	429.3803	1164.961	1164.961	1098.09	1092.713	.61673	11.36369	0
	52	109.7775	98.34769	14961.04	1150.865	-52.55998	429.3803	1158.112	1158.112	1098.799	1093.789	.61701	4.986837	0
55	53	92.79376	88.26031	14961.04	1152.066	-105.1199	429.3803	1154.291	1154.291	1097.456	1092.456	.619782	1.566381	9
55	54	85.63316	86.54648	14961.04	1152.669	-140.1599	429.3803	1153.489	1153.489	1096.714	1091.714	.624568	.484161	9
	55	86.77177	86.61594	14961.04	1152.486	-140.1599	429.3803	1155.393	1155.393	1096.719	1091.719	.631991	.631991	9
55	56	86.25813	85.51302	14961.04	1151.112	-72.9599	429.3803	1152.989	1152.989	1096.748	1091.748	.631704	.631704	0
55	57	84.9015	83.9569	14961.04	1148.84	-72.9599	429.3803	1149.448	1149.448	1096.487	1091.487	.632	.632	9
	58	83.12177	83.14771	14961.04	1145.643	-140.1599	429.3803	1144.633	1144.633	1095.976	1090.976	.632	.632	0
	59	82.90074	83.21374	14961.04	1145.321	-140.1599	429.3803	1145.005	1145.005	1095.053	1090.053	.632	.632	0
55	60	82.7679	82.71786	14961.04	1145.054	-140.1599	429.3803	1145.005	1145.005	1094.78	1089.78	.632	.632	0
	61	82.15846	81.3756	14961.04	1143.852	-140.1599	429.3803	1144.528	1144.528	1095.204	1090.204	.632	.632	9
	62	80.46387	79.05162	14961.04	1141.095	-140.1599	429.3803	1145.25	1145.25	1095.212	1090.212	.632	.632	9
55	63	77.63403	75.51659	14961.04	1136.556	-140.1599	429.3803	1145.794	1145.794	1095.29	1090.29	.632	.632	0
55	64	73.52434	73.43224	14961.04	1129.908	-140.1599	80000	1129.9	1128.9	1095.213	1090.213	.632	.632	20
6	1	2491.389	2483.614	14961.04	1097.448	-106.7999	80000	1097.5	1096.5	998.8456	993.8457	23.66013	31.54684	19
56	2	2353.423	2368.679	14961.04	1095.633	-106.7999	429.3803	1142.167	1142.167	1001.21	996.2098	23.93748	31.91664	0
56	3	2149.944	2089.453	14961.04	1093.697	-106.7999	429.3803	1137.705	1137.705	1004.076	999.0758	23.46822	31.29096	0
	4	1833.013	1732.86	14961.04	1091.572	-106.7999	429.3803	1121.621	1121.621	1009.076	1004.076	20.85789	27.81052	0
	5	1569.693	1492.354	14961.04	1089.185	-106.7999	429.3803	1107.298	1107.298	1013.957	1008.957	18.85902	25.14536	0
56	6	1389.131	1351.196	14961.04	1086.451	-106.7999	80000	1086.4	1085.4	1020.253	1015.253	18.8896	25.18614	16
56	7	1276.798	1207.274	14961.04	1086.4	0	80000	1086.4	1085.4	1026.426	1021.426	18.9	25.2	16
6	8	1103.412	1037.72	14961.04	1086.417	0	80000	1086.4	1085.4	1035.66	1030.66	18.9	25.2	16

9	936.3876	861.7516	14961.04	1087.099	-106.7999	429.3803	1102.71	1102.71	1045.216	1040.216	18.87685	25.16914	0
10	820.906	627.7383	14961.04	1087.568	-106.7999	429.3803	1112.034	1112.034	1050.291	1045.291	16.61897	22.15862	0
11	538.1712	297.3893	14961.04	1088.136	-106.7999	429.3803	1120.286	1120.286	1057.158	1052.158	11.84598	15.79464	0
12	105.3543	100.5433	14961.04	1089.316	-8.75999	429.3803	1124.266	1124.266	1066.268	1061.268	2.229282	2.972376	0
13	89.57048	90.80323	14961.04	1092.041	-8.75999	429.3803	1127.779	1127.779	1069.649	1064.649	1.707441	2.276588	0
14	87.76024	89.5948	14961.04	1094.914	-8.75999	429.3803	1122.876	1122.876	1072.44	1067.44	1.560459	2.080612	0
15	90.04584	88.98642	14961.04	1097.889	-8.75999	429.3803	1125.944	1125.944	1075.145	1070.145	1.565858	2.08781	0
16	88.68251	137.3308	14961.04	1101.055	-4.559995	429.3803	1132.304	1132.304	1077.235	1072.235	1.418811	1.891748	0
17	188.8031	189.5191	14961.04	1103.216	-6.569995	429.3803	1138.55	1138.55	1079.361	1074.361	5.22	3.48	0
18	146.342	385.8881	11220.78	1104.986	-4.379998	322.0352	1140.853	1140.853	1080.14	1075.14	5.22	3.48	0
19	98.89095	391.123	7480.52	1105.928	-4.379998	214.6902	1143.524	1143.524	1080.817	1075.817	5.22	3.48	0
20	101.0205	398.1766	7480.52	1106.896	-4.379998	214.6902	1145.355	1145.355	1081.085	1076.085	5.22	3.48	0
21	103.0116	404.6119	7480.52	1107.872	-4.379998	214.6902	1145.593	1145.593	1081.435	1076.435	5.22	3.48	0
22	103.1544	310.788	7480.52	1108.84	-4.379998	214.6902	1144.627	1144.627	1082.009	1077.009	5.250472	3.500316	0
23	52.18289	231.1637	7480.52	1110.063	-4.379998	214.6902	1142.812	1142.812	1083.184	1078.184	1.65805	3.3161	0
24	63.05645	241.9948	7480.52	1111.609	-17.51999	214.6902	1143.056	1143.056	1084.816	1079.816	2.666724	1.333362	0
25	61.34172	235.8743	7480.52	1112.943	-17.51999	214.6902	1143.316	1143.316	1086.476	1081.476	2.461364	1.230682	0
26	61.44421	240.554	7480.52	1114.245	-13.13999	214.6902	1143.17	1143.17	1087.884	1082.884	2.46	1.299652	0
27	62.44711	246.3189	7480.52	1115.504	-8.759993	214.6902	1142.67	1142.67	1089.226	1084.226	2.46	2.15129	10
28	62.81731	248.2178	7480.52	1116.692	-11.67999	214.6902	1142.416	1142.416	1089.891	1084.891	2.46	2.15129	10
29	63.50929	192.9874	7480.52	1117.873	-11.67999	214.6902	1142.136	1142.136	1089.08	1084.08	2.46	1.29965	10
30	34.51381	139.5737	7480.52	1119.446	-11.67999	214.6902	1141.74	1141.74	1089.46	1084.46	.615	.615	10
31	35.34556	146.2035	7480.52	1121.621	-11.67999	214.6902	1142.205	1142.205	1090.255	1085.255	.615	.869487	10
32	36.65604	151.6336	7480.52	1123.72	-23.35998	214.6902	1142.894	1142.894	1091.015	1086.015	.615	1.541142	10
33	37.08794	155.8419	7480.52	1125.687	-23.35998	214.6902	1143.276	1143.276	1091.863	1086.863	.615246	1.583894	10
34	38.34409	166.7985	7480.52	1127.591	-23.35998	214.6902	1143.398	1143.398	1093.028	1088.028	.652291	1.812044	10
35	41.5742	177.6471	7480.52	1129.377	-23.35998	214.6902	1143.221	1143.221	1094.857	1089.857	.769434	2.499722	10
36	43.07931	190.1868	7480.52	1131.085	-23.35998	214.6902	1142.858	1142.858	1095.402	1090.423	.802665	2.673541	10
37	46.23441	224.5675	7480.52	1132.742	-46.71996	214.6902	1142.527	1142.527	1095.268	1090.353	.799	4.385279	10
38	54.40134	258.38	7480.52	1134.118	-70.07996	214.6902	1142.5	1142.5	1095.52	1090.561	.799	9.168024	10
39	58.12233	299.3614	7480.52	1135.22	-70.07996	214.6902	1142.5	1142.5	1096.458	1091.317	.798985	10.52978	10
40	112.3334	175.4421	11220.78	1136.08	-70.07996	322.0352	1142.428	1142.428	1094.585	1089.724	.782103	17.48771	10
41	160.7866	193.578	14961.04	1137.57	-70.07996	429.3803	1142.367	1142.367	1096.104	1089.7	.600302	17.5	10
42	165.789	207.4292	14961.04	1138.989	-70.07996	429.3803	1143.225	1143.225	1097.576	1089.7	.383926	17.5	10
43	177.1482	215.6912	14961.04	1140.266	-36.47996	429.3803	1144.399	1144.399	1098.642	1089.711	.201012	17.5	10
44	190.8014	200.9707	14961.04	1141.489	-52.55996	429.3803	1145.586	1145.586	1099.463	1090.365	.259327	17.5	0
45	165.5239	179.1102	14961.04	1142.69	-35.03996	429.3803	1147.104	1147.104	1098.953	1092.151	.358293	17.5	0
46	154.1658	171.385	14961.04	1143.979	-35.03996	429.3803	1153.065	1153.065	1098.498	1092.327	.40778	17.40968	0
47	144.6894	161.7598	14961.04	1145.286	-35.03996	429.3803	1158.56	1158.56	1098.482	1092.536	.41417	16.78245	0
48	133.2671	149.5716	14961.04	1146.596	-52.55996	429.3803	1160.862	1160.862	1099.456	1093.697	.669153	13.00578	0
49	124.0736	137.7581	14961.04	1147.829	-70.07996	429.3803	1164.614	1164.614	1099.524	1094.026	.748461	10.60945	0
50	118.9492	127.3509	14961.04	1148.876	-35.03998	429.3803	1170.036	1170.036	1099.014	1093.723	.63455	9.671155	0
51	113.5627	118.0823	14961.04	1149.946	-35.03998	429.3803	1165.128	1165.128	1098.216	1093.071	.621686	8.106994	0
52	104.7896	104.2235	14961.04	1150.999	-52.55998	429.3803	1156.776	1156.776	1097.886	1092.874	.617	6.320657	0
53	92.27367	90.16661	14961.04	1151.814	-105.1199	429.3803	1151.729	1151.729	1096.399	1091.399	.616697	2.465398	9
54	85.37184	85.85846	14961.04	1151.982	-140.1599	429.3803	1151.54	1151.54	1095.842	1090.842	.618224	.410935	9
55	86.31641	86.41396	14961.04	1152.288	-140.1599	429.3803	1155.395	1155.395	1096.239	1091.239	.621114	.621114	9
56	86.22549	85.64661	14961.04	1151.246	-140.1599	429.3803	1152.047	1152.047	1096.067	1091.067	.628551	.628551	0
57	85.09791	84.06638	14961.04	1148.734	-140.1599	429.3803	1148.233	1148.233	1096.176	1091.176	.632357	.632357	9
58	83.60493	82.8748	14961.04	1146.218	-140.1599	429.3803	1145.433	1145.433	1096.537	1091.537	.632144	.632144	0
59	82.67183	82.4549	14961.04	1145.31	-140.1599	429.3803	1144.763	1144.763	1096.647	1091.647	.632	.632	0
60	82.21146	82.2085	14961.04	1144.83	-140.1599	429.3803	1144.484	1144.484	1096.431	1091.431	.632	.632	0
61	81.93141	81.24673	14961.04	1144.049	-140.1599	429.3803	1144.528	1144.528	1095.927	1090.927	.632	.632	9
62	80.41344	79.04628	14961.04	1141.5	-140.1599	429.3803	1144.823	1144.823	1096.001	1091.001	.632	.632	0
63	77.74593	75.64178	14961.04	1137.134	-140.1599	429.3803	1145.441	1145.441	1095.999	1090.999	.632	.632	0
64	73.78717	73.61643	14961.04	1130.708	-140.1599	80000	1130.7	1129.7	1095.974	1090.974	.632	.632	20
1	2365.68	2361.197	14961.04	1098.075	-106.7999	80000	1098.1	1097.1	999.7552	994.7552	23.20017	30.93356	19
2	2146.423	2134.688	14961.04	1096.561	-106.7999	429.3803	1136.52	1136.52	1001.629	996.6295	21.94633	29.26178	0
3	1916.118	1893.503	14961.04	1094.758	-106.7999	429.3803	1130.678	1130.678	1005.078	1000.078	20.56695	27.4226	0
4	1738.964	1669.846	14961.04	1092.707	-106.7999	429.3803	1117.249	1117.249	1010.523	1005.523	19.64508	26.19344	0

57	5	1561.113	1466.47	14961.04	1090.201	-106.7999	429.3803	1104.898	1104.898	1015.728	1010.728	18.88105	25.17474	0
57	6	1384.793	1314.734	14961.04	1086.522	-106.7999	80000	1086.4	1085.4	1022.043	1017.043	18.7827	25.0436	16
7	7	1260.026	1172.937	14961.04	1086.433	0	80000	1086.4	1085.4	1028.237	1023.237	18.9	25.2	16
57	8	1080.224	1002.08	14961.04	1086.42	0	80000	1086.4	1085.4	1037.56	1032.56	18.9	25.2	16
57	9	893.3451	895.542	14961.04	1086.786	0	429.3803	1095.492	1095.492	1047.452	1042.452	19.13391	25.51188	0
	10	822.619	731.3389	14961.04	1087.136	-106.7999	429.3803	1105.599	1105.599	1052.245	1047.245	20.05164	26.73552	0
	11	570.4684	346.1362	14961.04	1087.634	-106.7999	429.3803	1116.188	1116.188	1058.389	1053.389	15.3005	20.40066	0
57	12	186.9396	94.3815	14961.04	1088.274	-8.75999	429.3803	1118.289	1118.289	1066.388	1061.388	2.098459	2.797946	0
57	13	149.4794	86.52748	14961.04	1090.252	-8.75999	429.3803	1116.857	1116.857	1069.759	1064.759	1.604022	2.138696	0
7	14	88.56783	88.21127	14961.04	1092.847	-8.75999	429.3803	1121.063	1121.063	1071.913	1066.913	1.56	2.08	0
57	15	90.87726	89.74193	14961.04	1095.572	-8.75999	429.3803	1128.877	1128.877	1073.428	1068.428	1.602566	2.136754	0
57	16	88.66226	140.1548	14961.04	1098.492	-4.559995	429.3803	1135.762	1135.762	1074.428	1069.428	1.48377	1.97836	0
7	17	191.5873	194.4066	14961.04	1100.48	-6.569995	429.3803	1140.297	1140.297	1075.733	1070.733	5.22	3.48	0
7	18	149.6415	399.9211	11220.78	1102.144	-2.279999	322.0352	1141.309	1141.309	1076.005	1071.005	5.22	3.48	0
57	19	102.1101	408.5229	7480.52	1103.042	-4.379998	214.6902	1143.516	1143.516	1076.182	1071.182	5.22	3.48	0
57	20	104.5937	417.952	7480.52	1103.971	-4.379998	214.6902	1145.564	1145.564	1076.191	1071.191	5.22	3.48	0
7	21	105.2294	420.0523	7480.52	1104.916	-4.379998	214.6902	1146.042	1146.042	1076.489	1071.489	5.257244	3.504828	0
57	22	101.9794	310.5613	7480.52	1105.866	-4.379998	214.6902	1146.001	1146.001	1076.996	1071.996	5.103264	3.402176	0
57	23	50.43181	229.7936	7480.52	1107.1	-4.379998	214.6902	1145.319	1145.319	1077.416	1072.416	1.441814	2.883628	0
7	24	65.87726	255.5979	7480.52	1108.693	-17.51999	214.6902	1143.715	1143.715	1077.979	1072.979	2.50852	1.25426	0
57	25	66.38039	255.2694	7480.52	1110.049	-13.13999	214.6902	1141.475	1141.475	1078.922	1073.922	2.46	1.23	0
57	26	66.47314	255.0113	7480.52	1111.373	-8.759993	214.6902	1141.205	1141.205	1080.341	1075.341	2.46	1.23	10
7	27	66.22533	254.7388	7480.52	1112.685	-8.759993	214.6902	1141.547	1141.547	1081.92	1076.92	2.46	1.23	10
7	28	66.04685	257.0885	7480.52	1113.981	-11.67999	214.6902	1142.359	1142.359	1083.313	1078.313	2.46	1.23	10
57	29	66.69505	199.105	7480.52	1115.253	-11.67999	214.6902	1141.77	1141.77	1083.683	1078.683	2.46	1.23	0
57	30	34.8607	139.8638	7480.52	1116.904	-11.67999	214.6902	1141.235	1141.235	1083.698	1078.698	.615	.615	0
7	31	35.37917	141.8029	7480.52	1119.211	-11.67999	214.6902	1141.544	1141.544	1084.638	1079.638	.615	.615	0
57	32	35.79899	143.3423	7480.52	1121.459	-23.35998	214.6902	1142.45	1142.45	1085.83	1080.83	.615	.615	0
57	33	36.1103	145.8861	7480.52	1123.595	-23.35998	214.6902	1143.005	1143.005	1087.035	1082.035	.610521	.610521	10
7	34	37.14629	152.8747	7480.52	1125.638	-23.35998	214.6902	1143.173	1143.173	1088.573	1083.573	.640801	.640801	10
7	35	39.60975	160.967	7480.52	1127.559	-23.35998	214.6902	1142.524	1142.524	1090.412	1085.412	.751046	.751046	10
7	36	41.19176	167.0681	7480.52	1129.385	-23.35998	214.6902	1142.453	1142.453	1091.432	1086.432	.80201	.80201	10
7	37	42.16714	177.9755	7480.52	1131.185	-46.71996	214.6902	1142.627	1142.627	1092.305	1087.305	.799	1.258698	10
7	38	44.29396	191.7147	7480.52	1132.808	-70.07996	214.6902	1142.514	1142.514	1093.212	1088.212	.799	2.668971	10
57	39	46.26717	232.6837	7480.52	1134.141	-70.07996	214.6902	1142.5	1142.5	1094.21	1089.238	.799	3.778254	10
57	40	89.28308	135.1224	11220.78	1135.117	-70.07996	322.0352	1142.5	1142.5	1094.298	1089.577	.796741	11.25657	10
7	41	119.8212	132.9976	14961.04	1136.776	-70.07996	429.3803	1142.473	1142.473	1095.449	1090.187	.699777	11.23741	10
57	42	111.9834	135.508	14961.04	1138.418	-70.07996	429.3803	1142.807	1142.807	1096.719	1090.874	.53889	10.03703	10
57	43	123.637	152.2584	14961.04	1139.909	-70.07996	429.3803	1144.145	1144.145	1096.156	1090.591	.394285	13.60829	10
7	44	140.3229	155.3546	14961.04	1141.19	-52.55996	429.3803	1145.734	1145.734	1095.334	1089.823	.305846	18.29634	0
	45	133.0083	140.5795	14961.04	1142.429	-35.03996	429.3803	1148.52	1148.52	1095.358	1090.607	.308936	17.81264	0
57	46	120.0889	127.4702	14961.04	1143.801	-35.03996	429.3803	1153.04	1153.04	1096.75	1091.976	.427836	13.55745	0
7	47	107.5338	116.1967	14961.04	1145.266	-52.55996	429.3803	1157.464	1157.464	1098.122	1093.074	.549321	9.218968	0
	48	99.43007	107.7691	14961.04	1146.727	-70.07996	429.3803	1160.871	1160.871	1098.266	1093.281	.695939	5.67856	0
57	49	97.91223	105.2647	14961.04	1148.05	-70.07996	429.3803	1164.042	1164.042	1097.649	1092.678	.788748	3.200145	0
57	50	104.3301	105.161	14961.04	1149.124	-35.03998	429.3803	1166.891	1166.891	1096.038	1091.068	.816569	2.844974	0
	51	104.0763	100.27	14961.04	1150.131	-35.03998	429.3803	1161.841	1161.841	1094.832	1089.84	.739056	3.040622	9
57	52	95.80263	92.83975	14961.04	1151.015	-52.55998	429.3803	1155.341	1155.341	1094.274	1089.274	.61896	2.591982	9
57	53	89.03858	87.4789	14961.04	1151.579	-105.1199	429.3803	1151.94	1151.94	1095.363	1090.363	.613913	1.312958	9
	54	85.4033	85.82979	14961.04	1151.738	-140.1599	429.3803	1151.683	1151.683	1095.856	1090.856	.616728	.512334	9
	55	86.17911	86.12794	14961.04	1151.815	-140.1599	429.3803	1154.298	1154.298	1095.702	1090.702	.616998	.616998	9
57	56	86.35339	85.67679	14961.04	1151.203	-140.1599	429.3803	1151.762	1151.762	1095.406	1090.406	.620363	.620363	9
57	57	85.57362	84.63647	14961.04	1149.465	-140.1599	429.3803	1149.252	1149.252	1095.676	1090.676	.626133	.626133	9
	58	84.3387	83.40196	14961.04	1147.512	-140.1599	429.3803	1147.131	1147.131	1096.46	1091.46	.63182	.63182	0
57	59	83.16722	82.42838	14961.04	1146.013	-140.1599	429.3803	1145.547	1145.547	1097.192	1092.192	.632145	.632145	0
57	60	82.27819	81.93437	14961.04	1145.008	-140.1599	429.3803	1144.569	1144.569	1097.349	1092.349	.632	.632	9
7	61	81.70418	81.0981	14961.04	1144.281	-140.1599	429.3803	1144.55	1144.55	1096.921	1091.921	.632	.632	9
7	62	80.32481	79.11308	14961.04	1141.878	-140.1599	429.3803	1144.727	1144.727	1096.624	1091.624	.632	.632	0
57	63	77.83595	75.89133	14961.04	1137.722	-140.1599	429.3803	1145.095	1145.095	1096.506	1091.506	.632	.632	0
	64	74.05684	73.95792	14961.04	1131.608	-140.1599	80000	1131.6	1130.6	1096.512	1091.512	.632	.632	20

58	1	2139.65	2150.906	14961.04	1099.341	-106.7999	80000	1099.4	1098.4	1000.767	995.7674	21.27384	28.36512	19
58	2	1978.755	1927.853	14961.04	1097.658	-106.7999	429.3803	1126.447	1126.447	1003.337	998.3365	19.85773	26.47698	0
	3	1809.892	1761.578	14961.04	1095.911	-106.7999	429.3803	1114.121	1114.121	1007.242	1002.242	18.79039	25.05386	0
	4	1691.767	1630.231	14961.04	1094.014	-106.7999	429.3803	1114.381	1114.381	1012.518	1007.518	18.95268	25.27024	0
58	5	1554.595	1479.436	14961.04	1091.932	-106.7999	429.3803	1113.543	1113.543	1017.833	1012.833	18.9	25.2	0
	6	1407.692	1330.086	14961.04	1089.739	-106.7999	429.3803	1109.193	1109.193	1024.083	1019.083	18.9	25.2	0
	7	1257.908	1167.314	14961.04	1088.496	0	429.3803	1111.786	1111.786	1030.34	1025.34	18.9	25.2	0
58	8	1058.196	971.4895	14961.04	1087.537	0	429.3803	1097.699	1097.699	1039.501	1034.501	18.97761	25.30348	0
58	9	842.1725	820.4221	14961.04	1086.516	0	80000	1086.5	1085.5	1049.372	1044.372	18.93386	25.24514	16
	10	725.9662	661.7485	14961.04	1086.514	-106.7999	80000	1086.5	1085.5	1054.323	1049.323	18.86057	25.14742	16
	11	547.5039	411.2718	14961.04	1087.225	-106.7999	429.3803	1109.378	1109.378	1060.03	1055.03	15.05913	20.07884	0
58	12	385.5297	242.0375	14961.04	1087.828	-8.75999	429.3803	1110.248	1110.248	1066.156	1061.156	8.096353	10.79514	0
	13	331.5995	151.5197	14961.04	1088.869	-8.75999	429.3803	1103.077	1103.077	1069.256	1064.256	6.450909	8.601212	0
	14	113.4067	91.2338	14961.04	1090.524	-8.75999	429.3803	1108.828	1108.828	1070.77	1065.77	1.795424	2.393898	0
58	15	106.9084	89.79759	14961.04	1092.948	-8.75999	429.3803	1125.38	1125.38	1071.535	1066.535	1.726227	2.301636	0
	16	84.75851	140.0948	14961.04	1095.701	-4.559995	429.3803	1132.003	1132.003	1071.825	1066.825	1.452018	1.936024	0
	17	191.1209	196.7026	14961.04	1097.522	-6.569995	429.3803	1140.906	1140.906	1072.318	1067.318	5.22	3.48	0
58	18	149.7896	407.5632	11220.78	1099.122	-2.279999	322.0352	1143.13	1143.13	1072.275	1067.275	5.22	3.48	0
58	19	103.6211	418.2924	7480.52	1100.022	-4.379998	214.6902	1144.438	1144.438	1072.093	1067.093	5.22	3.48	0
	20	105.9392	421.3405	7480.52	1100.971	-4.379998	214.6902	1146.245	1146.245	1071.827	1066.827	5.18424	3.45616	0
	21	102.5951	408.7828	7480.52	1101.962	-4.379998	214.6902	1147.267	1147.267	1071.771	1066.771	4.960608	3.307072	0
58	22	94.58594	299.0836	7480.52	1102.982	-4.379998	214.6902	1146.283	1146.283	1071.699	1066.699	4.501596	3.001064	0
	23	49.62379	235.4426	7480.52	1104.305	-4.379998	214.6902	1145.423	1145.423	1071.268	1066.268	1.31603	2.63206	0
	24	69.81881	273.4327	7480.52	1105.945	-13.13999	214.6902	1144.644	1144.644	1070.929	1065.929	2.460588	1.230294	0
58	25	71.33526	276.1447	7480.52	1107.318	-8.759993	214.6902	1141.357	1141.357	1071.35	1066.35	2.46	1.23	0
58	26	71.58836	275.7825	7480.52	1108.657	-8.759993	214.6902	1140.581	1140.581	1072.68	1067.68	2.46	1.23	0
	27	71.21281	274.3499	7480.52	1109.978	-8.759993	214.6902	1140.831	1140.831	1074.42	1069.42	2.46	1.23	0
	28	70.73004	273.8791	7480.52	1111.286	-11.67999	214.6902	1141.924	1141.924	1076.191	1071.191	2.46	1.23	0
58	29	70.52151	207.118	7480.52	1112.57	-11.67999	214.6902	1142.798	1142.798	1077.463	1072.463	2.46	1.23	0
	30	35.16792	141.0957	7480.52	1114.236	-11.67999	214.6902	1143.898	1143.898	1078.121	1073.121	.615	.615	10
	31	35.67659	142.9097	7480.52	1116.599	-11.67999	214.6902	1143.949	1143.949	1079.155	1074.155	.615	.615	10
	32	36.03416	144.2948	7480.52	1118.862	-11.67999	214.6902	1143.56	1143.56	1080.668	1075.668	.615	.615	10
	33	36.29774	147.1402	7480.52	1121.039	-11.67999	214.6902	1143.153	1143.153	1082.197	1077.197	.612409	.612409	10
	34	37.17203	154.1494	7480.52	1123.121	-11.67999	214.6902	1142.442	1142.442	1083.917	1078.917	.649879	.649879	10
58	35	40.08637	162.239	7480.52	1125.067	-11.67999	214.6902	1142.065	1142.065	1085.475	1080.475	.743882	.743882	10
58	36	41.66493	166.3675	7480.52	1126.893	-11.67999	214.6902	1141.991	1141.991	1086.479	1081.479	.798894	.798894	10
	37	42.05416	167.8689	7480.52	1128.658	-11.67999	214.6902	1142.869	1142.869	1087.509	1082.509	.799	.799	10
	38	42.35669	170.5299	7480.52	1130.379	-35.03998	214.6902	1142.382	1142.382	1088.669	1083.669	.799	.799	10
58	39	42.98233	190.4732	7480.52	1131.91	-35.03998	214.6902	1142.392	1142.392	1089.813	1084.813	.799	1.082741	10
	40	71.15993	103.7428	11220.78	1133.161	-35.03998	322.0352	1142.5	1142.5	1091.63	1086.63	.798807	4.693517	10
	41	94.75076	98.80699	14961.04	1135.179	-35.03998	429.3803	1142.5	1142.5	1093.018	1088.018	.765012	4.626669	10
58	42	89.15997	100.1124	14961.04	1137.102	-35.03998	429.3803	1142.47	1142.47	1094.08	1089.041	.662586	3.52374	10
	43	94.15501	111.7015	14961.04	1138.893	-35.03998	429.3803	1142.894	1142.894	1093.606	1089.059	.582929	6.900694	10
	44	99.744	117.9767	14961.04	1140.431	-26.27998	429.3803	1145.192	1145.192	1092.732	1088.656	.538755	10.75069	10
58	45	100.4088	112.5177	14961.04	1141.845	-17.51998	429.3803	1148.617	1148.617	1093.11	1088.815	.53423	10.32366	0
58	46	96.96423	100.1524	14961.04	1143.335	-26.27998	429.3803	1152.909	1152.909	1094.773	1090.039	.578127	6.386558	0
	47	89.48324	90.76714	14961.04	1144.909	-35.03998	429.3803	1157.228	1157.228	1095.736	1090.761	.630513	2.860699	0
	48	87.38478	89.57318	14961.04	1146.474	-35.03998	429.3803	1159.455	1159.455	1095.431	1090.434	.650845	1.247421	0
58	49	91.548	96.97762	14961.04	1147.918	-35.03998	429.3803	1160.797	1160.797	1094.099	1089.099	.753597	.527693	9
	50	103.0266	103.2454	14961.04	1149.14	-35.03998	429.3803	1160.619	1160.619	1092.14	1087.14	.906444	.657283	0
	51	105.6974	99.60891	14961.04	1150.164	-35.03998	429.3803	1157.208	1157.208	1091.132	1086.132	.877438	.911323	0
58	52	102.2382	92.00145	14961.04	1150.864	-52.55998	429.3803	1151.775	1151.775	1091.069	1086.069	.753114	.57439	9
58	53	92.79675	86.96297	14961.04	1150.586	-105.1199	429.3803	1150.16	1150.16	1092.71	1087.71	.657091	.555284	9
	54	87.25909	85.75261	14961.04	1150.217	-140.1599	429.3803	1149.485	1149.485	1093.598	1088.598	.605264	.605264	9
58	55	87.16888	86.40454	14961.04	1150.403	-140.1599	429.3803	1149.644	1149.644	1093.401	1088.401	.616748	.616748	9
58	56	87.28644	86.25022	14961.04	1150.653	-140.1599	429.3803	1150.416	1150.416	1092.759	1087.759	.616524	.616524	9
	57	86.43441	85.27585	14961.04	1149.816	-140.1599	429.3803	1149.614	1149.614	1093.675	1088.675	.619447	.619447	9
	58	84.8174	84.10396	14961.04	1148.591	-140.1599	429.3803	1148.511	1148.511	1095.699	1090.699	.625461	.625461	9
58	59	84.04253	83.01704	14961.04	1146.923	-140.1599	429.3803	1146.6	1146.6	1096.507	1091.507	.630417	.630417	9
	60	82.98373	82.048	14961.04	1145.493	-140.1599	429.3803	1145.109	1145.109	1097.177	1092.177	.632552	.632552	9

58	61	81.68774	80.93089	14961.04	1144.453	-140.1599	429.3803	1144.455	1144.455	1097.662	1092.662	.632439	.632439	0
	62	80.48491	79.04768	14961.04	1142.179	-140.1599	429.3803	1144.842	1144.842	1097.438	1092.438	.632	.632	0
	63	78.03694	76.00146	14961.04	1138.246	-140.1599	429.3803	1145.13	1145.13	1097.237	1092.237	.632	.632	0
58	64	74.28772	74.15575	14961.04	1132.407	-140.1599	80000	1132.4	1131.4	1097.241	1092.241	.632	.632	20
	1	2013.101	1967.5	14961.04	1100.165	-106.7999	80000	1100.2	1099.2	1002.123	997.1233	18.93966	25.25288	19
	?	1906.672	1860.794	14961.04	1098.666	-106.7999	429.3803	1124.12	1124.12	1005.464	1000.464	18.96065	25.28086	0
	3	1794.4	1740.08	14961.04	1097.058	-106.7999	429.3803	1113.778	1113.778	1009.849	1004.849	18.83461	25.11282	0
59	4	1682.592	1616.13	14961.04	1095.326	-106.7999	429.3803	1112.241	1112.241	1014.13	1009.13	18.78299	25.04398	0
	5	1552.099	1482.851	14961.04	1093.505	-106.7999	429.3803	1110.059	1110.059	1019.849	1014.849	18.9	25.2	0
	6	1418.608	1335.514	14961.04	1091.698	-106.7999	429.3803	1112.19	1112.19	1025.274	1020.274	18.9	25.2	0
59	7	1256.283	1148.791	14961.04	1090.138	-106.7999	429.3803	1107.935	1107.935	1032.238	1027.238	18.90816	25.21088	0
	8	1017.643	928.8793	14961.04	1088.556	-106.7999	429.3803	1099.286	1099.286	1041.43	1036.43	18.67505	24.90006	0
	9	762.4678	747.7166	14961.04	1086.524	0	80000	1086.5	1085.5	1051.134	1046.134	18.47612	24.63482	16
59	10	642.6984	611.7216	14961.04	1086.506	-106.7999	80000	1086.5	1085.5	1056.246	1051.246	17.30828	23.0777	16
59	11	533.0245	521.7618	14961.04	1087.009	-106.7999	429.3803	1098.724	1098.724	1061.518	1056.518	15.63763	20.85018	0
	12	486.672	475.0917	14961.04	1087.581	-106.7999	429.3803	1107.913	1107.913	1066.206	1061.206	16.30275	21.737	0
	13	449.1362	293.4865	14961.04	1088.223	-106.7999	429.3803	1111.379	1111.379	1068.504	1063.504	15.46665	20.6222	0
59	14	298.2582	129.0813	14961.04	1088.896	-8.75999	429.3803	1112.104	1112.104	1069.344	1064.344	3.557502	4.743336	0
	15	216.1411	101.8694	14961.04	1090.394	-8.75999	429.3803	1120.349	1120.349	1069.519	1064.519	2.870376	3.827168	0
	16	83.55999	135.7847	14961.04	1092.645	-8.75999	429.3803	1129.351	1129.351	1069.49	1064.49	1.301709	1.735612	0
59	17	188.5938	194.1377	14961.04	1094.214	-3.419997	429.3803	1132.916	1132.916	1069.395	1064.395	5.22	3.48	0
	18	149.3515	406.3599	11220.78	1095.753	-2.279999	322.0352	1140.569	1140.569	1069.271	1064.271	5.22	3.48	0
	19	103.7734	419.9486	7480.52	1096.723	-2.279999	214.6902	1143.423	1143.423	1068.614	1063.614	5.254836	3.503224	0
59	20	101.0531	412.7967	7480.52	1097.792	-4.379998	214.6902	1146.369	1146.369	1068.001	1063.001	5.117072	3.41138	0
59	21	95.90239	379.9413	7480.52	1098.904	-4.379998	214.6902	1145.739	1145.739	1067.28	1062.28	4.529668	3.01978	0
	22	90.44913	277.7554	7480.52	1100.066	-4.379998	214.6902	1137.193	1137.193	1066.593	1061.593	3.719982	2.479988	0
	23	49.529	242.3277	7480.52	1101.591	-3.284997	214.6902	1133.214	1133.214	1065.351	1060.351	1.22212	2.44424	0
59	24	72.34147	291.1836	7480.52	1103.327	-8.759993	214.6902	1128.404	1128.404	1064.392	1059.392	2.46	1.23	0
	25	74.4699	295.5498	7480.52	1104.745	-8.759993	214.6902	1136.643	1136.643	1064.317	1059.317	2.46	1.23	0
	26	75.59535	295.4222	7480.52	1106.106	-8.759993	214.6902	1143.259	1143.259	1065.49	1060.49	2.46	1.23	0
	27	75.79475	293.4215	7480.52	1107.428	-8.759993	214.6902	1143.997	1143.997	1067.307	1062.307	2.46	1.23	0
	28	75.55042	291.1272	7480.52	1108.719	-11.67999	214.6902	1142.814	1142.814	1069.236	1064.236	2.46	1.23	0
	29	74.98186	215.6397	7480.52	1109.973	-11.67999	214.6902	1143.946	1143.946	1071.109	1066.109	2.46	1.23	0
	30	35.61798	142.2823	7480.52	1111.605	-11.67999	214.6902	1143.901	1143.901	1072.619	1067.619	.615	.615	0
59	31	36.03835	143.9333	7480.52	1113.974	-11.67999	214.6902	1144.407	1144.407	1073.749	1068.749	.615	.615	0
	32	36.31793	145.0328	7480.52	1116.229	-11.67999	214.6902	1143.679	1143.679	1075.567	1070.566	.615	.615	0
	33	36.54157	146.7389	7480.52	1118.396	-11.67999	214.6902	1143.417	1143.417	1077.469	1072.469	.612523	.612523	0
59	34	37.38812	154.8842	7480.52	1120.481	-11.67999	214.6902	1141.755	1141.755	1079.24	1074.24	.627519	.627519	0
	35	40.51361	164.7662	7480.52	1122.42	-11.67999	214.6902	1142.053	1142.053	1080.614	1075.614	.760976	.760976	0
	36	42.0638	168.5089	7480.52	1124.222	-11.67999	214.6902	1141.284	1141.284	1081.099	1076.099	.800254	.800254	0
59	37	42.43468	169.7745	7480.52	1125.968	-11.67999	214.6902	1140.765	1140.765	1082.326	1077.326	.801794	.801794	0
59	38	42.74068	170.8262	7480.52	1127.685	-35.03998	214.6902	1141.447	1141.447	1083.546	1078.546	.799	.799	0
	39	43.01163	171.2159	7480.52	1129.236	-35.03998	214.6902	1141.938	1141.938	1084.745	1079.745	.799	.799	0
	40	64.39587	85.88783	11220.78	1130.627	-35.03998	322.0352	1142.517	1142.517	1086.877	1081.877	.799	.799	10
59	41	86.67223	85.10374	14961.04	1133.001	-35.03998	429.3803	1142.5	1142.5	1088.853	1083.853	.7984	.7984	10
	42	85.02448	83.20258	14961.04	1135.182	-35.03998	429.3803	1142.5	1142.5	1089.667	1084.667	.728406	.728406	10
	43	84.33279	82.19751	14961.04	1137.271	-35.03998	429.3803	1142.559	1142.559	1090.212	1085.173	.726116	.196083	10
59	44	84.58555	82.17612	14961.04	1139.154	-26.27998	429.3803	1142.897	1142.897	1091.239	1086.188	.717123	.020366	10
	45	86.23933	84.85532	14961.04	1140.894	-26.27998	429.3803	1145.537	1145.537	1091.508	1086.478	.687673	.174643	0
	46	87.8911	86.29504	14961.04	1142.593	-35.03998	429.3803	1152.124	1152.124	1091.271	1086.285	.674395	1.040695	0
59	47	86.36877	86.10088	14961.04	1144.269	-35.03998	429.3803	1156.457	1156.457	1091.365	1086.354	.678363	.370268	0
59	48	87.76974	89.3596	14961.04	1145.931	-35.03998	429.3803	1154.594	1154.594	1091.231	1086.231	.664147	.61846	0
	49	91.75291	97.59695	14961.04	1147.513	-35.03998	429.3803	1154.303	1154.303	1090.552	1085.552	.732	.546452	0
	50	99.23162	105.4786	14961.04	1148.942	-35.03998	429.3803	1155.173	1155.173	1089.393	1084.393	.875482	.829347	9
59	51	105.4911	108.3267	14961.04	1150.205	-35.03998	429.3803	1154.812	1154.812	1089.001	1084.001	.922016	.816991	0
	52	110.4118	103.0335	14961.04	1151.14	-52.55998	429.3803	1153.19	1153.19	1089.196	1084.196	.928225	.903897	0
	53	102.9115	93.09286	14961.04	1150.538	-105.1199	429.3803	1149.973	1149.973	1089.496	1084.496	.754437	.754437	9
59	54	94.44647	88.67536	14961.04	1150.172	-140.1599	429.3803	1149.378	1149.378	1090.054	1085.054	.6443	.6443	9
	55	88.57169	88.05078	14961.04	1151.077	-140.1599	429.3803	1151.065	1151.065	1090.293	1085.293	.620549	.620549	9
	56	87.93324	87.47063	14961.04	1150.742	-140.1599	429.3803	1150.375	1150.375	1089.572	1084.572	.616715	.616715	0

5	57	87.42467	85.97596	14961.04	1149.92	-140.1599	429.3803	1149.461	1149.461	1090.776	1085.776	.616747	.616747	0
5	58	85.83175	84.75597	14961.04	1148.843	-140.1599	429.3803	1148.415	1148.415	1094.124	1089.124	.617262	.617262	0
5	59	85.43277	84.00922	14961.04	1147.548	-140.1599	429.3803	1147.249	1147.249	1094.474	1089.474	.625816	.625816	0
59	60	84.33179	82.62347	14961.04	1145.87	-140.1599	429.3803	1145.489	1145.489	1094.996	1089.996	.629731	.629731	0
5	61	82.71892	81.24174	14961.04	1144.117	-140.1599	429.3803	1143.655	1143.655	1096.544	1091.544	.630314	.630314	0
	62	81.62434	79.47415	14961.04	1142.314	-140.1599	429.3803	1143.703	1143.703	1096.4	1091.4	.631015	.631015	0
5	63	78.93919	76.32319	14961.04	1138.674	-140.1599	429.3803	1143.825	1143.825	1097.002	1092.002	.632202	.632202	0
5	64	74.65512	74.41969	14961.04	1133.107	-140.1599	80000	1133.1	1132.1	1097.671	1092.671	.632079	.632079	20
6	1	2011.05	1952.273	14961.04	1101.063	-106.7999	80000	1101.1	1100.1	1004.043	999.0427	19.14478	25.52638	19
60	2	1901.624	1840.277	14961.04	1099.678	-106.7999	429.3803	1121.826	1121.826	1007.393	1002.393	18.80083	25.06778	0
60	3	1783.583	1736.912	14961.04	1098.166	-106.7999	429.3803	1112.685	1112.685	1011.74	1006.74	18.9	25.2	0
6	4	1678.702	1618.561	14961.04	1096.539	-106.7999	429.3803	1112.189	1112.189	1015.805	1010.805	18.9	25.2	0
6	5	1547.163	1487.856	14961.04	1094.843	-106.7999	429.3803	1112.256	1112.256	1021.044	1016.044	18.9	25.2	0
60	6	1419.038	1339.376	14961.04	1093.148	-106.7999	429.3803	1116.285	1116.285	1026.949	1021.949	19.05058	25.40078	0
6	7	1244.637	1125.135	14961.04	1091.484	-106.7999	429.3803	1117.114	1117.114	1033.527	1028.527	18.89741	25.19654	0
6	8	977.7737	851.2314	14961.04	1089.581	-106.7999	429.3803	1109.45	1109.45	1042.931	1037.931	17.93615	23.91486	0
60	9	703.4917	657.4496	14961.04	1086.556	-106.7999	80000	1086.5	1085.5	1052.701	1047.701	16.51933	22.02578	16
6	10	596.155	564.0013	14961.04	1086.608	0	80000	1086.6	1085.6	1057.89	1052.89	15.98388	21.31184	16
6	11	512.8465	497.9348	14961.04	1086.606	0	80000	1086.6	1085.6	1062.475	1057.475	15.6	20.8	16
6	12	476.332	460.7165	14961.04	1087.151	0	429.3803	1098.519	1098.519	1066.026	1061.026	15.53518	20.71358	0
60	13	480.1825	453.9079	14961.04	1087.748	-79.19995	429.3803	1107.71	1107.71	1067.86	1062.86	15.24776	20.33034	0
6	14	493.0167	385.3179	14961.04	1088.264	-106.7999	429.3803	1111.319	1111.319	1067.869	1062.869	15.43772	20.58362	0
6	15	352.2709	197.8317	14961.04	1088.924	-106.7999	429.3803	1118.125	1118.125	1067.564	1062.564	9.554712	12.73962	0
60	16	158.6139	136.3691	14961.04	1089.642	-8.75999	429.3803	1127.862	1127.862	1066.841	1061.841	1.458824	1.945098	0
6	17	469.189	193.5915	14961.04	1090.393	-6.569995	429.3803	1131.89	1131.89	1065.888	1060.888	5.216388	3.477592	0
6	18	339.7862	407.0045	11220.78	1091.724	-4.379998	322.0352	1134.184	1134.184	1065.009	1060.009	5.25342	3.50228	0
60	19	172.2769	399.3574	7480.52	1092.897	-4.379998	214.6902	1133.407	1133.407	1063.986	1058.986	5.1314	3.420932	0
60	20	108.9398	375.0253	7480.52	1094.32	-4.379998	214.6902	1132.404	1132.404	1063.238	1058.238	4.375512	2.917008	0
6	21	90.60601	365.4648	7480.52	1095.788	-4.379998	214.6902	1135.1	1135.1	1062.663	1057.663	3.878388	2.585592	0
6	22	92.09016	282.1571	7480.52	1097.174	-3.284997	214.6902	1138.378	1138.378	1062.232	1057.232	3.69	2.46	0
6	23	49.84487	245.1541	7480.52	1098.883	-2.189998	214.6902	1139.046	1139.046	1061.478	1056.478	1.23	2.46	0
6	24	73.02682	296.0619	7480.52	1100.798	-8.759993	214.6902	1139.662	1139.662	1060.812	1055.812	2.46	1.23	0
6	25	75.45962	304.7112	7480.52	1102.32	-8.759993	214.6902	1141.977	1141.977	1060.317	1055.317	2.46	1.23	0
60	26	77.45467	310.1383	7480.52	1103.743	-8.759993	214.6902	1144.577	1144.577	1060.187	1055.187	2.46	1.23	0
60	27	78.60355	311.9592	7480.52	1105.084	-8.759993	214.6902	1144.926	1144.926	1060.927	1055.927	2.46	1.23	0
6	28	79.04781	311.0019	7480.52	1106.357	-11.67999	214.6902	1144.337	1144.337	1062.236	1057.236	2.46	1.23	0
60	29	78.76114	226.7596	7480.52	1107.561	-11.67999	214.6902	1143.983	1143.983	1064.06	1059.06	2.46	1.23	0
60	30	36.0571	144.343	7480.52	1109.109	-11.67999	214.6902	1143.901	1143.901	1065.895	1060.895	.615	.615	0
6	31	36.35987	145.4919	7480.52	1111.41	-11.67999	214.6902	1144.065	1144.065	1067.706	1062.706	.615	.615	0
6	32	36.55	146.4052	7480.52	1113.592	-11.67999	214.6902	1144.625	1144.625	1069.867	1064.867	.615	.615	0
60	33	36.71179	148.9799	7480.52	1115.691	-11.67999	214.6902	1144.582	1144.582	1071.818	1066.818	.613886	.613886	0
6	34	37.64209	156.7227	7480.52	1117.709	-11.67999	214.6902	1143.715	1143.715	1073.553	1068.553	.646245	.646245	0
6	35	40.18822	165.5434	7480.52	1119.603	-11.67999	214.6902	1142.858	1142.858	1074.992	1069.992	.747414	.747414	0
60	36	41.92473	169.485	7480.52	1121.376	-11.67999	214.6902	1142.436	1142.436	1076.317	1071.317	.799209	.799209	0
60	37	42.53055	170.927	7480.52	1123.104	-11.67999	214.6902	1142.271	1142.271	1077.395	1072.395	.799	.799	0
6	38	42.90551	172.183	7480.52	1124.82	-35.03998	214.6902	1142.308	1142.308	1078.524	1073.524	.799	.799	0
60	39	43.19801	172.5529	7480.52	1126.391	-35.03998	214.6902	1142.046	1142.046	1079.723	1074.723	.799	.799	0
60	40	64.72466	86.64555	11220.78	1127.821	-35.03998	322.0352	1141.89	1141.89	1081.968	1076.968	.799	.799	10
6	41	87.37714	86.59295	14961.04	1130.431	-35.03998	429.3803	1141.713	1141.713	1083.853	1078.853	.797866	.797866	10
6	42	86.89143	86.15469	14961.04	1132.898	-35.03998	429.3803	1141.424	1141.424	1085.125	1080.125	.755339	.755339	10
60	43	86.96135	86.72083	14961.04	1135.275	-35.03998	429.3803	1141.874	1141.874	1084.568	1079.568	.720267	.720267	10
6	44	87.85247	88.64876	14961.04	1137.483	-39.41996	429.3803	1143.623	1143.623	1086.178	1081.178	.724116	.724116	10
6	45	90.83487	89.27512	14961.04	1139.47	-35.03998	429.3803	1148.515	1148.515	1086.745	1081.745	.753947	.753947	10
60	46	90.27615	87.96483	14961.04	1141.373	-35.03998	429.3803	1153.193	1153.193	1086.795	1081.795	.715391	.569604	0
60	47	89.42978	88.03764	14961.04	1143.219	-35.03998	429.3803	1154.988	1154.988	1086.915	1081.915	.67743	.544325	0
6	48	89.78723	90.16306	14961.04	1145.014	-35.03998	429.3803	1152.267	1152.267	1087.002	1082.002	.675048	.566524	0
6	49	91.23576	93.38757	14961.04	1146.749	-35.03998	429.3803	1151.491	1151.491	1086.939	1081.939	.696005	.696005	0
60	50	93.54298	99.24416	14961.04	1148.447	-35.03998	429.3803	1153.283	1153.283	1086.793	1081.793	.727412	.727412	9
6	51	100.5039	107.5763	14961.04	1150.215	-35.03998	429.3803	1154.711	1154.711	1086.933	1081.933	.832156	.832156	9
6	52	109.1782	110.2898	14961.04	1152.399	-546.484	429.3803	1154.884	1154.884	1087.539	1082.539	.93032	.93032	9

60	53	109.9689	104.2651	14961.04	1151.559	-105.1199	429.3803	1152.357	1152.357	1087.498	1082.498	.899637	.899637	9
6	54	104.0845	94.34279	14961.04	1151.047	-140.1599	429.3803	1150.678	1150.678	1087.911	1082.911	.775866	.775866	0
6	55	94.24559	88.45415	14961.04	1151.454	-140.1599	429.3803	1151.327	1151.327	1088.695	1083.695	.620345	.620345	0
60	56	92.81104	87.88728	14961.04	1151.507	-140.1599	429.3803	1152.364	1152.364	1088.75	1083.75	.603791	.603791	0
6	57	90.96685	87.28046	14961.04	1150.907	-140.1599	429.3803	1151.744	1151.744	1089.552	1084.552	.613665	.613665	0
	58	87.62991	86.50856	14961.04	1149.802	-140.1599	429.3803	1149.78	1149.78	1090.586	1085.586	.612178	.612178	0
60	59	86.52377	85.75533	14961.04	1148.392	-140.1599	429.3803	1148.383	1148.383	1090.426	1085.426	.619264	.619264	0
60	60	85.32065	84.42723	14961.04	1146.569	-140.1599	429.3803	1146.462	1146.462	1090.668	1085.668	.62049	.62049	0
6	61	83.89487	83.10151	14961.04	1144.51	-140.1599	429.3803	1144.255	1144.255	1091.336	1086.336	.621333	.621333	0
60	62	82.64564	81.08937	14961.04	1142.48	-140.1599	429.3803	1143.539	1143.539	1092.04	1087.04	.628581	.628581	0
60	63	80.32869	77.27112	14961.04	1139.04	-140.1599	429.3803	1143.018	1143.018	1094.22	1089.22	.63258	.63258	0
6	64	75.60807	74.89056	14961.04	1133.807	-140.1599	80000	1133.8	1132.8	1097.637	1092.637	.632423	.632423	20
6	1	1915.471	1960.4	14961.04	1101.793	-106.7999	80000	1101.8	1100.8	1005.681	1000.681	19.24802	25.66402	19
61	2	1849.375	1844.929	14961.04	1100.677	-106.7999	429.3803	1116.706	1116.706	1009.182	1004.182	19.17941	25.57254	0
6	3	1778.894	1725.373	14961.04	1099.247	-106.7999	429.3803	1109.818	1109.818	1013.549	1008.549	18.9	25.2	0
6	4	1670.62	1607.304	14961.04	1097.643	-106.7999	429.3803	1111.681	1111.681	1017.44	1012.44	18.9	25.2	0
61	5	1532.075	1478.345	14961.04	1095.972	-106.7999	429.3803	1115.453	1115.453	1022.872	1017.872	18.9	25.2	0
61	6	1387.239	1324.299	14961.04	1094.314	-106.7999	429.3803	1122.432	1122.432	1028.572	1023.572	19.08052	25.4407	0
6	7	1210.237	1097.275	14961.04	1092.688	-106.7999	429.3803	1129.871	1129.871	1035.977	1030.977	18.88279	25.17706	0
6	8	938.626	830.034	14961.04	1090.981	-106.7999	429.3803	1124.412	1124.412	1044.938	1039.938	17.53196	23.37594	0
61	9	691.6704	642.1972	14961.04	1089.097	-106.7999	429.3803	1113.617	1113.617	1054.264	1049.264	15.86596	21.15462	0
6	10	584.4724	545.0002	14961.04	1087.892	0	429.3803	1097.746	1097.746	1059.45	1054.45	15.53406	20.71208	0
6	11	498.3897	491.2438	14961.04	1086.61	0	80000	1086.6	1085.6	1063.509	1058.509	15.52341	20.69788	16
61	12	484.4684	495.7981	14961.04	1086.705	0	80000	1086.7	1085.7	1066.068	1061.068	15.98599	21.31466	16
61	13	547.3828	519.2913	14961.04	1087.223	-79.19995	429.3803	1102.066	1102.066	1067.143	1062.143	17.58918	23.45224	0
6	14	491.757	459.9696	14961.04	1087.626	-106.7999	429.3803	1109.277	1109.277	1066.61	1061.61	17.46146	23.28194	0
61	15	417.8456	313.053	14961.04	1088.039	-106.7999	429.3803	1114.416	1114.416	1065.506	1060.506	12.06073	16.08097	0
61	16	361.7186	491.4337	14961.04	1088.258	-8.75999	429.3803	1126.336	1126.336	1063.733	1058.733	6.095829	8.127772	0
	17	1298.238	728.6458	14961.04	1088.513	-6.569995	429.3803	1127.975	1127.975	1062.137	1057.137	23.88784	15.92523	0
	18	991.2034	1188.2	11220.78	1089.295	-4.379998	322.0352	1128.235	1128.235	1061.075	1056.075	21.08146	14.05431	0
	19	324.0773	725.5094	7480.52	1090.041	-4.379998	214.6902	1122.841	1122.841	1059.976	1054.976	13.20569	8.803788	0
	20	102.5782	423.1579	7480.52	1091.236	-4.379998	214.6902	1115.822	1115.822	1059.224	1054.224	5.739036	3.826024	0
	21	87.86136	365.3199	7480.52	1092.93	-3.284997	214.6902	1124.954	1124.954	1058.829	1053.829	3.710256	2.473504	0
61	22	94.38951	285.583	7480.52	1094.572	-2.189998	214.6902	1137.348	1137.348	1058.572	1053.572	3.69	2.46	0
61	23	50.14135	246.3326	7480.52	1096.412	-2.189998	214.6902	1144.094	1144.094	1058.232	1053.232	1.23	2.46	0
	24	73.54261	297.8839	7480.52	1098.44	-8.759993	214.6902	1147.453	1147.453	1057.837	1052.837	2.46	1.23	0
	25	75.72513	306.9459	7480.52	1100.046	-8.759993	214.6902	1148.518	1148.518	1057.425	1052.425	2.46	1.23	0
61	26	77.85073	314.0946	7480.52	1101.561	-8.759993	214.6902	1147.99	1147.99	1057.22	1052.22	2.46	1.23	0
	27	79.53476	318.6462	7480.52	1102.962	-8.759993	214.6902	1146.948	1146.948	1057.436	1052.436	2.46	1.23	0
	28	80.79276	320.2339	7480.52	1104.252	-11.67999	214.6902	1145.875	1145.875	1058.14	1053.14	2.46	1.23	0
61	29	81.42188	232.5133	7480.52	1105.42	-11.67999	214.6902	1145.336	1145.336	1059.418	1054.418	2.46	1.23	0
6	30	36.38103	145.3249	7480.52	1106.855	-11.67999	214.6902	1144.606	1144.606	1061.077	1056.077	.615	.615	0
6	31	36.58017	146.1476	7480.52	1108.956	-11.67999	214.6902	1144.318	1144.318	1062.961	1057.961	.615	.615	0
61	32	36.71142	146.6419	7480.52	1110.942	-11.67999	214.6902	1145.743	1145.743	1065.253	1060.253	.615	.615	0
61	33	36.60333	148.4356	7480.52	1112.87	-11.67999	214.6902	1146.598	1146.598	1067.54	1062.54	.613833	.613833	0
	34	37.08572	154.5985	7480.52	1114.754	-11.67999	214.6902	1145.241	1145.241	1069.411	1064.411	.637508	.637508	0
	35	38.6176	162.9083	7480.52	1116.56	-11.67999	214.6902	1144.265	1144.265	1070.908	1065.908	.717648	.717648	0
61	36	41.73923	168.3361	7480.52	1118.272	-11.67999	214.6902	1143.939	1143.939	1072.26	1067.26	.780338	.780338	0
	37	42.42506	170.8173	7480.52	1119.968	-11.67999	214.6902	1143.775	1143.775	1073.311	1068.311	.799	.799	0
	38	42.83951	172.231	7480.52	1121.691	-35.03998	214.6902	1143.679	1143.679	1074.302	1069.302	.799	.799	0
61	39	43.16927	172.8382	7480.52	1123.307	-35.03998	214.6902	1142.587	1142.587	1075.441	1070.441	.799	.799	0
6	40	64.8367	87.03111	11220.78	1124.811	-35.03998	322.0352	1141.674	1141.674	1077.505	1072.505	.799	.799	0
	41	87.69861	87.67561	14961.04	1127.629	-35.03998	429.3803	1141.309	1141.309	1079.363	1074.363	.800491	.800491	10
61	42	88.51566	87.69809	14961.04	1130.365	-35.03998	429.3803	1141.094	1141.094	1080.731	1075.731	.776118	.776118	10
61	43	88.47176	88.09299	14961.04	1133.095	-52.55998	429.3803	1141.549	1141.549	1080.525	1075.525	.73717	.73717	10
	44	88.70705	90.03857	14961.04	1135.601	-52.55998	429.3803	1143.853	1143.853	1081.451	1076.451	.727636	.727636	10
	45	90.78976	91.8359	14961.04	1137.803	-35.03998	429.3803	1150.77	1150.77	1082.201	1077.201	.758661	.758661	10
61	46	92.72462	91.7411	14961.04	1139.884	-35.03998	429.3803	1153.606	1153.606	1082.795	1077.795	.746531	.746531	0
	47	93.19785	91.17937	14961.04	1141.862	-35.03998	429.3803	1154.246	1154.246	1083.168	1078.168	.715651	.715651	0
	48	91.42377	90.85994	14961.04	1143.745	-35.03998	429.3803	1150.213	1150.213	1083.536	1078.536	.691174	.691174	9

61	49	91.04222	91.39117	14961.04	1145.573	-35.03998	429.3803	1149.468	1149.468	1083.77	1078.77	.670875	.670875	9
61	50	92.18568	94.80276	14961.04	1147.368	-35.03998	429.3803	1152.415	1152.415	1083.744	1078.744	.671615	.671615	0
6	51	95.52277	102.1059	14961.04	1149.286	-35.03998	429.3803	1153.606	1153.606	1083.989	1078.989	.733929	.733929	9
61	52	100.6168	108.8573	14961.04	1151.668	-546.484	429.3803	1155.007	1155.007	1084.456	1079.456	.838439	.838439	9
61	53	109.6882	109.7884	14961.04	1151.2	-105.1199	429.3803	1153.21	1153.21	1084.889	1079.889	.910186	.910186	0
6	54	110.7474	103.9873	14961.04	1151.137	-140.1599	429.3803	1152.743	1152.743	1085.644	1080.644	.881766	.881766	0
6	55	105.8803	98.60248	14961.04	1151.254	-140.1599	429.3803	1152.783	1152.783	1086.646	1081.646	.760486	.760486	0
61	56	104.6215	95.8906	14961.04	1151.341	-140.1599	429.3803	1156.062	1156.062	1087.273	1082.273	.739072	.739072	0
6	57	98.53046	91.31631	14961.04	1150.797	-140.1599	429.3803	1156.337	1156.337	1088.018	1083.018	.696733	.696733	0
6	58	88.02567	87.64513	14961.04	1149.543	-140.1599	429.3803	1153.094	1153.094	1088.501	1083.501	.630503	.630503	0
61	59	85.86658	86.08908	14961.04	1148.047	-140.1599	429.3803	1151.819	1151.819	1088.568	1083.568	.616726	.616726	0
61	60	84.8513	84.78828	14961.04	1146.358	-140.1599	429.3803	1148.75	1148.75	1088.997	1083.997	.616148	.616148	0
6	61	83.45892	83.439	14961.04	1144.471	-140.1599	429.3803	1145.046	1145.046	1089.603	1084.603	.617143	.617143	0
6	62	82.35129	81.88496	14961.04	1142.282	-140.1599	429.3803	1143.991	1143.991	1090.4	1085.4	.622874	.622874	0
61	63	79.93607	78.66563	14961.04	1139.218	-140.1599	429.3803	1142.901	1142.901	1092.24	1087.24	.64038	.64038	0
6	64	76.73753	76.32558	14961.04	1134.607	-140.1599	80000	1134.6	1133.6	1094.893	1089.893	.627272	.627272	20
6	1	1380.932	1804.446	14961.04	1103.358	-106.7999	80000	1103.4	1102.4	1006.897	1001.897	17.38921	23.18562	19
62	2	1647.808	1783.339	14961.04	1101.892	-106.7999	429.3803	1111.826	1111.826	1010.838	1005.838	17.96094	23.94792	0
6	3	1784.813	1724.141	14961.04	1100.343	-106.7999	429.3803	1107.559	1107.559	1015.476	1010.476	19.11111	25.48148	0
6	4	1675.736	1595.391	14961.04	1098.641	-106.7999	429.3803	1111.068	1111.068	1019.151	1014.151	18.97724	25.30298	0
62	5	1514.57	1440.968	14961.04	1096.89	-106.7999	429.3803	1117.019	1117.019	1024.649	1019.648	18.8808	25.1744	0
62	6	1319.656	1273.177	14961.04	1095.214	-106.7999	429.3803	1126.23	1126.23	1031.307	1026.307	18.7551	25.0068	0
6	7	1114.994	1051.588	14961.04	1093.608	-106.7999	429.3803	1134.554	1134.554	1038.905	1033.905	18.76001	25.01334	0
6	8	876.1427	800.2623	14961.04	1091.997	-106.7999	429.3803	1133.095	1133.095	1047.648	1042.648	17.19099	22.92132	0
62	9	675.5964	633.9456	14961.04	1090.384	-8.75999	429.3803	1126.449	1126.449	1056.103	1051.103	15.75258	21.00344	0
6	10	586.291	537.8618	14961.04	1089.074	-8.75999	429.3803	1103.367	1103.367	1060.736	1055.736	15.47283	20.63044	0
6	11	515.267	491.6143	14961.04	1086.729	-8.75999	80000	1086.7	1085.7	1064.526	1059.526	15.62543	20.8339	16
62	12	527.7609	536.0531	14961.04	1086.702	0	80000	1086.7	1085.7	1066.17	1061.17	16.47079	21.96106	16
62	13	579.1148	519.8485	14961.04	1086.705	0	80000	1086.7	1085.7	1066.193	1061.193	19.85483	26.4731	16
6	14	462.0018	449.633	14961.04	1086.808	-106.7999	80000	1086.8	1085.8	1065.109	1060.109	14.65823	19.5443	16
6	15	456.4141	466.5112	14961.04	1087.327	-106.7999	429.3803	1106.825	1106.825	1063.28	1058.28	13.01754	17.35672	0
6	16	497.1111	1168.523	14961.04	1087.473	-106.7999	429.3803	1113.439	1113.439	1060.043	1055.043	13.21648	17.62197	0
6	17	1867.058	1891.196	14961.04	1087.486	-80.0999	429.3803	1110.815	1110.815	1057.88	1052.88	54.79988	36.53324	0
6	18	1390.959	2751.318	11220.78	1088.142	-53.39995	322.0352	1109.218	1109.218	1056.884	1051.884	54.8338	36.55586	0
62	19	451.5011	981.1125	7480.52	1088.57	-2.279999	214.6902	1112.3	1112.3	1055.601	1050.601	21.33298	14.22199	0
6	20	102.3164	338.6003	7480.52	1089.382	-3.284997	214.6902	1113.462	1113.462	1054.945	1049.945	3.358278	2.238852	0
6	21	89.56033	363.6835	7480.52	1091.285	-2.189998	214.6902	1114.359	1114.359	1054.946	1049.946	3.327378	2.218252	0
62	22	95.54523	292.5404	7480.52	1092.8	-2.189998	214.6902	1117.18	1117.18	1054.96	1049.96	3.69	2.46	0
62	23	50.05565	248.4032	7480.52	1094.437	-2.189998	214.6902	1126.828	1126.828	1054.964	1049.964	1.23	2.46	0
6	24	72.69	299.1871	7480.52	1096.277	-8.759993	214.6902	1143.079	1143.079	1054.96	1049.96	2.46	1.23	0
6	25	74.09387	307.3575	7480.52	1097.845	-8.759993	214.6902	1151.405	1151.405	1054.96	1049.96	2.46	1.23	0
62	26	76.69841	315.4474	7480.52	1099.602	-106.7999	214.6902	1151.868	1151.868	1054.963	1049.963	2.46	1.23	0
6	27	78.44691	322.6638	7480.52	1101.125	-106.7999	214.6902	1151.468	1151.468	1054.951	1049.951	2.46	1.23	0
6	28	80.16354	328.6246	7480.52	1102.516	-142.3998	214.6902	1151.255	1151.255	1054.942	1049.942	2.46	1.23	0
62	29	81.51036	238.6983	7480.52	1103.707	-142.3998	214.6902	1151.148	1151.148	1055.124	1050.124	2.46	1.23	0
6	30	36.28288	146.5199	7480.52	1105.087	-142.3998	214.6902	1150.636	1150.636	1056.6	1051.6	.615	.615	0
6	31	36.44093	147.0188	7480.52	1106.615	-11.67999	214.6902	1148.544	1148.544	1058.261	1053.261	.615	.615	0
62	32	36.53856	146.6171	7480.52	1108.198	-11.67999	214.6902	1146.372	1146.372	1060.092	1055.092	.615	.615	0
62	33	36.35608	146.3206	7480.52	1109.813	-11.67999	214.6902	1146.743	1146.743	1063.942	1058.942	.613669	.613669	0
6	34	36.67532	148.2148	7480.52	1111.458	-11.67999	214.6902	1147.311	1147.311	1065.591	1060.591	.613527	.613527	0
6	35	38.10851	158.519	7480.52	1113.108	-11.67999	214.6902	1147.676	1147.676	1067.116	1062.116	.636291	.636291	0
62	36	41.09264	168.3211	7480.52	1114.722	-11.67999	214.6902	1146.714	1146.714	1068.425	1063.425	.797677	.797677	0
6	37	41.68539	170.241	7480.52	1116.347	-11.67999	214.6902	1145.188	1145.188	1069.097	1064.097	.800626	.800626	0
6	38	42.20642	171.8041	7480.52	1118.118	-35.03998	214.6902	1144.479	1144.479	1069.976	1064.976	.799975	.799975	0
62	39	42.59894	172.7367	7480.52	1119.838	-35.03998	214.6902	1144.091	1144.091	1071.036	1066.036	.799	.799	0
6	40	64.23409	87.11642	11220.78	1121.498	-35.03998	322.0352	1142.709	1142.709	1072.891	1067.891	.799	.799	0
6	41	86.91728	88.53865	14961.04	1124.501	-35.03998	429.3803	1142.662	1142.662	1074.823	1069.823	.799	.799	10
62	42	88.63636	89.28932	14961.04	1127.492	-27.35998	429.3803	1144.629	1144.629	1076.278	1071.278	.799875	.799875	10
62	43	88.5367	89.08582	14961.04	1130.568	-70.07994	429.3803	1144.356	1144.356	1076.815	1071.815	.761997	.761997	10
6	44	88.55699	89.45824	14961.04	1133.402	-52.55998	429.3803	1143.14	1143.14	1077.105	1072.105	.724063	.724063	10

62	45	90.92111	91.67848	14961.04	1135.831	-18.23998	429.3803	1146.193	1146.193	1078.623	1073.623	.725539	.725539	10
6	46	92.79575	94.18137	14961.04	1138.161	-35.03998	429.3803	1150.41	1150.41	1079.565	1074.565	.759579	.759579	10
6	47	93.21426	93.44225	14961.04	1140.29	-35.03998	429.3803	1151.464	1151.464	1080.131	1075.131	.764633	.764633	9
62	48	91.56805	91.60605	14961.04	1142.178	-35.03998	429.3803	1147.387	1147.387	1080.625	1075.625	.700258	.700258	9
6	49	91.53508	91.83673	14961.04	1144.033	-35.03998	429.3803	1146.89	1146.89	1080.771	1075.771	.674102	.674102	9
6	50	92.39571	92.90569	14961.04	1145.699	-35.03998	429.3803	1150.214	1150.214	1080.637	1075.637	.671729	.671729	9
62	51	93.02222	94.03365	14961.04	1147.299	-35.03998	429.3803	1149.942	1149.942	1080.812	1075.812	.673468	.673468	9
62	52	95.01463	101.4476	14961.04	1148.365	-52.55998	429.3803	1147.851	1147.851	1080.788	1075.788	.679092	.679092	0
6	53	107.5915	110.6472	14961.04	1149.483	-105.1199	429.3803	1152.077	1152.077	1081.775	1076.775	.863315	.863315	0
62	54	113.2469	112.6404	14961.04	1149.781	-140.1599	429.3803	1155.087	1155.087	1082.965	1077.965	.936126	.936126	0
62	55	111.9862	111.8994	14961.04	1149.787	-140.1599	429.3803	1157.476	1157.476	1084.293	1079.293	.939482	.939482	0
6	56	110.774	107.2614	14961.04	1150.434	-546.484	429.3803	1160.06	1160.06	1085.313	1080.313	.930593	.930593	0
6	57	101.6687	95.23981	14961.04	1149.906	-546.484	429.3803	1160.951	1160.951	1086.416	1081.416	.825024	.825024	0
62	58	87.1268	86.24712	14961.04	1147.88	-140.1599	429.3803	1159.817	1159.817	1087.514	1082.514	.623388	.623388	0
62	59	83.96257	84.6288	14961.04	1146.235	-140.1599	429.3803	1157.25	1157.25	1088.583	1083.583	.607566	.607566	0
6	60	83.25815	83.52193	14961.04	1144.665	-140.1599	429.3803	1152.644	1152.644	1089.566	1084.566	.617	.617	0
62	61	82.24701	82.3712	14961.04	1143.025	-140.1599	429.3803	1146.446	1146.446	1090.602	1085.602	.616963	.616963	0
62	62	81.19629	80.40239	14961.04	1141.21	-140.1599	429.3803	1144.688	1144.688	1091.271	1086.271	.626541	.626541	0
6	63	75.36072	78.00796	14961.04	1139.04	-140.1599	429.3803	1143.215	1143.215	1091.697	1086.697	.597217	.597217	0
6	64	67.78667	77.14948	14961.04	1136.502	-140.1599	80000	1136.5	1135.5	1091.193	1086.193	.589333	.589333	20
63	1	938.7515	1224.294	14961.04	1104.948	-106.7999	80000	1105	1104	1008.706	1003.706	8.828928	11.7719	19
6	2	1509.836	1649.282	14961.04	1103.262	-106.7999	80000	1103.3	1102.3	1012.414	1007.414	15.16572	20.22096	18
6	3	1788.728	1736.409	14961.04	1101.47	-106.7999	80000	1101.5	1100.5	1016.514	1011.514	19.17552	25.56736	18
63	4	1684.09	1594.916	14961.04	1099.487	-106.7999	80000	1099.5	1098.5	1020.819	1015.819	19.35165	25.8022	18
63	5	1505.742	1393.257	14961.04	1097.5	-106.7999	80000	1097.5	1096.5	1025.938	1020.938	18.81598	25.08798	18
6	6	1280.773	1161.472	14961.04	1095.798	-106.7999	80000	1095.8	1094.8	1033.038	1028.038	17.93954	23.91938	18
62	7	1042.172	939.5487	14961.04	1094.197	-106.7999	80000	1094.2	1093.2	1040.958	1035.958	16.78019	22.37358	18
63	8	836.9258	751.4768	14961.04	1092.502	-106.7999	80000	1092.5	1091.5	1049.757	1044.757	16.15272	21.53696	18
6	9	666.0279	627.942	14961.04	1091.009	-8.75999	80000	1091	1090	1057.732	1052.732	15.66111	20.88148	18
6	10	589.8561	563.6962	14961.04	1090.972	-8.75999	80000	1091	1090	1062.087	1057.087	15.4275	20.57	18
6	11	537.5363	551.4135	14961.04	1088.888	-8.75999	80000	1088.9	1087.9	1065.009	1060.009	16.22279	21.63038	18
6	12	565.2907	570.8226	14961.04	1087.01	-8.75999	80000	1087	1086	1066.066	1061.066	18.94473	25.25964	18
6	13	576.3545	521.2681	14961.04	1086.801	-8.75999	80000	1086.8	1085.8	1065.476	1060.476	19.0864	25.44854	18
63	14	466.1817	468.7829	14961.04	1086.8	0	80000	1086.8	1085.8	1063.102	1058.102	13.98271	18.64361	18
63	15	471.3841	487.014	14961.04	1086.803	0	80000	1086.8	1085.8	1060.494	1055.494	13.05	17.4	18
6	16	502.6439	1195.646	14961.04	1086.793	0	80000	1086.8	1085.8	1058.204	1053.204	13.10616	17.47487	18
6	17	1888.648	1830.473	14961.04	1086.073	0	80000	1086	1085	1055.911	1050.911	55.18952	36.79302	18
63	18	1329.224	2763.91	11220.78	1087.328	0	60000	1087.3	1086.3	1054.988	1049.988	48.56312	32.3754	18
6	19	495.8059	1234.157	7480.52	1088.351	-3.284997	40000	1088.4	1087.4	1054.553	1049.553	25.63334	17.08888	18
6	20	121.2729	428.9066	7480.52	1088.981	-2.189998	40000	1090	1090	1054.291	1049.291	5.333416	3.555612	18
63	21	93.18042	376.7387	7480.52	1090.693	-2.189998	40000	1090.7	1089.7	1054.295	1049.295	3.69	2.46	18
63	22	95.18893	289.8631	7480.52	1091.783	-2.189998	40000	1092	1092	1054.295	1049.295	3.69	2.46	18
63	23	49.74262	242.5794	7480.52	1092.857	-2.189998	40000	1093.3	1093.3	1054.291	1049.291	1.23	2.46	18
63	24	71.54709	287.9484	7480.52	1093.804	-8.759993	40000	1093.8	1092.8	1054.295	1049.295	2.46	1.23	18
63	25	72.4271	295.8116	7480.52	1094.52	-8.759993	40000	1094.5	1093.5	1054.295	1049.295	2.46	1.23	18
6	26	75.47871	305.1339	7480.52	1096.997	-8.759993	40000	1097	1096	1054.291	1049.291	2.46	1.23	18
6	27	77.08825	311.778	7480.52	1098.309	-106.7999	40000	1098.3	1097.3	1054.295	1049.295	2.46	1.23	18
63	28	78.80075	318.071	7480.52	1099.709	-142.3998	40000	1099.7	1098.7	1054.303	1049.303	2.46	1.23	18
6	29	80.23476	232.4747	7480.52	1101.006	-142.3998	40000	1101	1100	1054.447	1049.447	2.46	1.23	18
6	30	36.00258	144.3753	7480.52	1102.304	-142.3998	40000	1102.3	1101.3	1055.152	1050.152	.615	.615	18
63	31	36.18509	144.8992	7480.52	1103.706	-142.3998	40000	1103.7	1102.7	1056.38	1051.38	.615	.615	18
63	32	36.26451	144.9615	7480.52	1105.007	-142.3998	40000	1105	1104	1057.963	1052.963	.615	.615	18
6	33	36.21623	145.805	7480.52	1106.307	-142.3998	40000	1106.3	1105.3	1059.976	1054.976	.613419	.613419	18
63	34	36.68627	150.9205	7480.52	1107.707	-142.3998	40000	1107.7	1106.7	1062.8	1057.8	.637882	.637882	18
63	35	38.77398	158.2856	7480.52	1109.005	-11.67999	40000	1109	1108	1065.096	1060.096	.726409	.726409	18
6	36	40.36881	162.791	7480.52	1110.405	-11.67999	40000	1110.4	1109.4	1066.359	1061.359	.784013	.784013	18
6	37	41.02669	165.3263	7480.52	1111.708	-11.67999	40000	1111.7	1110.7	1067.142	1062.142	.799	.799	18
63	38	41.63644	167.4174	7480.52	1113.805	-35.03998	40000	1113.8	1112.8	1067.915	1062.915	.799	.799	18
6	39	42.07225	168.95	7480.52	1115.707	-35.03998	40000	1115.7	1114.7	1069.016	1064.016	.799	.799	18
6	40	63.6041	85.4463	11220.78	1118.002	-35.03998	60000	1118	1117	1071.007	1066.007	.799	.799	18

63	41	86.08715	87.01498	14961.04	1120.905	-52.55998	80000	1120.9	1119.9	1072.769	1067.769	.799	.799	18
6	42	87.94283	87.88374	14961.04	1124.204	-36.47998	80000	1124.2	1123.2	1074.237	1069.237	.800535	.800535	18
6	43	87.82465	88.00787	14961.04	1127.504	-36.47998	80000	1127.5	1126.5	1075.119	1070.119	.761517	.761517	18
63	44	88.19109	90.01987	14961.04	1131.002	-27.35998	80000	1131	1131	1075.448	1070.448	.726574	.726574	18
6	45	91.84865	92.03838	14961.04	1133.702	-18.23998	80000	1133.7	1132.7	1076.064	1071.064	.758723	.758723	18
6	6	92.22811	91.82865	14961.04	1136.203	-35.03998	80000	1136.2	1135.2	1076.862	1071.862	.741945	.741945	18
6	47	91.42919	91.34006	14961.04	1138.602	-35.03998	80000	1138.6	1137.6	1077.425	1072.425	.707502	.707502	18
6	48	91.25093	91.49707	14961.04	1140.303	-35.03998	80000	1140.3	1139.3	1077.449	1072.449	.68731	.68731	18
6	49	91.74322	92.09406	14961.04	1142.302	-35.03998	80000	1142.3	1141.3	1077.504	1072.504	.675056	.675056	18
63	50	92.44489	92.51224	14961.04	1143.703	-35.03998	80000	1143.7	1142.7	1077.702	1072.702	.672914	.672914	18
63	51	92.57957	94.0032	14961.04	1145.402	-35.03998	80000	1145.4	1144.4	1077.979	1072.979	.660757	.660757	18
6	52	95.42683	101.1585	14961.04	1146.503	-52.55998	80000	1146.5	1145.5	1078.275	1073.275	.691527	.691527	18
6	53	106.8902	110.1911	14961.04	1147.503	-105.1199	80000	1147.5	1146.5	1079.186	1074.186	.844433	.844433	18
63	54	113.4921	112.5927	14961.04	1147.504	-140.1599	80000	1147.5	1146.5	1080.452	1075.452	.947198	.947198	18
6	55	111.6932	110.8608	14961.04	1146.507	-140.1599	80000	1146.5	1145.5	1081.936	1076.936	.950638	.950638	18
6	56	110.0284	105.1813	14961.04	1145.808	-140.1599	80000	1145.8	1144.8	1083.674	1078.674	.954907	.954907	18
63	57	100.3342	93.55568	14961.04	1145.008	-140.1599	80000	1145	1144	1085.173	1080.173	.834394	.834394	18
63	58	86.77714	84.84225	14961.04	1144.006	-140.1599	80000	1144	1143	1086.547	1081.547	.644463	.644463	18
6	59	82.90736	82.59192	14961.04	1142.606	-140.1599	80000	1142.6	1141.6	1088.005	1083.005	.6053	.6053	18
6	60	82.27649	81.98322	14961.04	1141.305	-140.1599	80000	1141.3	1140.3	1089.297	1084.297	.617	.617	18
63	61	81.68996	81.0721	14961.04	1140.005	-140.1599	80000	1140	1139	1090.463	1085.463	.629658	.629658	18
6	62	80.45423	76.15462	14961.04	1138.704	-140.1599	80000	1138.7	1137.7	1091.486	1086.486	.629898	.629898	18
6	63	71.855	65.13943	14961.04	1137.304	-140.1599	80000	1137.3	1136.3	1091.922	1086.922	.480358	.480358	18
63	64	58.42386	58.42386	14961.04	1136.502	-140.1599	80000	1136.5	1135.5	1092.302	1087.302	.217284	.217284	20

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APPENDIX C.

HEADSTAT Program

This computer code was used to compute "mean differences" and the "standard deviation" of the field compared with the computer generated water-level data. Please refer to Talbe 1 of this report to see and example of this program output.

Appendix C
HEADSTAT program

```
10 REM
20 REM  PROGRAM TO CALCULATE FLAMBEAU MODEL CALIBRATION STATISTICS
30 REM
40 REM
42 DEFINT I,J,K
45 DIM DELX(64),DELY(64),H(64,64),WELL(70),XW(70),YW(70),IW(70),JW(70),WELNAM$(70)
50 NC=63:REM NUMBER OF COLUMNS
60 NR=64:REM NUMBER OF ROWS
70 LINE INPUT "  ENTER NAME OF FILE CONTAINING GRID SPACING DATA ";G2$
80 GOSUB 1500:REM CALL ROUTINE TO READ IN VARIABLE GRID DATA
90 DELX(1)=DELX(2)
100 DELY(1)=DELY(2)
110 LINE INPUT "  ENTER NAME OF MODEL HEAD FILE ";A1$
120 OPEN "I",1,A1$
130 FOR I=1 TO NC
140  FOR J=NR TO 1 STEP -1
150    INPUT#1,XXX,YYY,H(I,J)
160  NEXT J
170 NEXT I
180 CLOSE 1
190 REM
200 REM   READ IN HEAD1.DAT FILE WITH ACTUAL WELL DATA
210 LINE INPUT "  ENTER NAME OF WELL DATA FILE ";A2$
220 OPEN "I",1,A2$
230 K=1
240 IF EOF(1) THEN GOTO 300
250 INPUT#1,XW(K),YW(K),WELL(K),WELNAM$(K)
260 K=K+1
270 GOTO 240
300 NK=K-1
310 REM  CALCULATE COLUMN AND ROW OF WELL DATA
320 FOR K=1 TO NK
330   XXX=0
340   FOR I=1 TO NC-1
350      IF XW(K)>XXX-DELX(I)/2 AND XW(K)<XXX+DELX(I+1)/2 THEN IW(K)=I
360      XXX=XXX+DELX(I+1)
370   NEXT I
380   YYY=DELY(NR)
390   FOR J=NR-1 TO 1 STEP -1
400      IF YW(K)>YYY-DELY(J+1)/2 AND YW(K)<YYY+DELY(J)/2 THEN JW(K)=J
410      YYY=YYY+DELY(J)
420   NEXT J
430 NEXT K
440 REM
450 REM  CALCULATE STATISTICS
460 RMSDIF=0
470 AVDIF=0
    LPRINT
    LPRINT TAB(20)"FLAMBEAU MINE PROJECT - STEADY STATE CALIBRATION "
    LPRINT
    LPRINT "  TIME = ";TIME$
```

```
    LPRINT "  DATE = ";DATE$
    LPRINT
    LPRINT TAB(2) "WELL NAME";TAB(12) "  I  ";TAB(18) "  J  ";TAB(24) " MODEL ";TAB(34) "
WELL";TAB(44) "DIFFERENCE"
    LPRINT
    INPUT "  DO YOU WANT AN X,Y,Z FILE OF THE RESIDUALS (Y/N) ";Z1$
    IF Z1$="Y" OR Z1$="y" THEN
       LINE INPUT "  ENTER A FILE SPEC FOR RESIDUAL FILE ";A3$
       OPEN "O",2,A3$
    END IF
    INPUT "  DO YOU WANT A 1:1 PLOT FILE (Y/N) ";Z2$
    IF Z2$="Y" OR Z2$="y" THEN
       LINE INPUT "  ENTER A FILE SPEC FOR 1:1 PLOT FILE ";A4$
       OPEN "O",3,A4$
    END IF
480 FOR K=1 TO NK
490  I=IW(K)
500  J=JW(K)
510  DIF=H(I,J)-WELL(K)
520  LPRINT TAB(2) WELNAM$(K);TAB(12) I; TAB(18) J; TAB(24) H(I,J);TAB(34) WELL(K);TAB(44)
     IF Z1$="Y" OR Z1$="y" THEN PRINT#2,XW(K);YW(K);DIF
     IF Z2$="Y" OR Z2$="y" THEN PRINT#3,H(I,J);WELL(K)
530  AVDIF=AVDIF+DIF
540  RMSDIF=RMSDIF+DIF*DIF
550 NEXT K
560 AVDIF=AVDIF/NK
570 RMSDIF=SQR(RMSDIF/(NK))
580 LPRINT "  AVERAGE DIFFERENCE = ";AVDIF
590 LPRINT "  STANDARD DEVIATION = ";RMSDIF
    CLOSE
600 END
1500 REM ************************************************************
1505 REM * SUBROUTINE TO READ VARIABLE GRID SPACINGS FOR PLASM     *
1510 REM * FLOW MODEL                                              *
1515 REM ************************************************************
1530 OPEN "I",2,G2$
1540 FOR IX=2 TO NC
1550 INPUT #2, DELX(IX)
1560    NEXT IX
1570 FOR IY=2 TO NR
1580 INPUT #2, DELY(IY)
1590    NEXT IY
1600 CLOSE 2
1610 RETURN
```

APPENDIX D.

GRIDTODAT Program

This computer program allows conversion of any Golden Software gridded data set back to a set of X,Y,Z data. This program was used to transform the Foth & Van Dyke origional data set to the PLASM data set.

Appendix D
GRIDTODAT program

```
10 '=============================================================================
20 '
30 ' GRIDTODAT.BAS (Program to transform any ASCII grid file to X,Y,Z)
40 '
50 '=============================================================================
60 PRINT "Grid Tranformation Version 1.00"
70 PRINT "(C) Copyright Golden Software 1988"
80 '
90 ' Get filename to convert
100 '
110 INPUT "Enter the name of the file to convert [.GRD]: ",IN$
120 IF IN$="" THEN 120
130 OFL$=""
140 FOR PTR=1 TO LEN(IN$)
150   CH=ASC(MID$(IN$,PTR,1))
160   IF CH>96 AND CH<123 THEN CH=CH-32
165   IF CH=46 GOTO 230
170   OFL$=OFL$+CHR$(CH)
180 NEXT PTR
190 '
200 ' Add default extension and create out file name
210 '
230 OUTFIL$=OFL$+".OUT"
240 OFL$=OFL$+".GRD"
250 ' Open input file and output file
260 '
270 OPEN OUTFIL$ FOR OUTPUT AS #1
271 ON ERROR GOTO 490
280 OPEN OFL$ FOR INPUT AS #2
290 IF EOF(2) THEN 410:
300 INPUT #2, KIND$: IF KIND$<>"DSAA" GOTO 470
310 INPUT #2, NX, NY: INPUT #2,XLO,XHI: INPUT #2, YLO,YHI: INPUT #2, ZLO,ZHI
320 XSTEP=(XHI-XLO)/(NX-1)
330 YSTEP=(YHI-YLO)/(NY-1)
340 FOR Y = YLO TO YHI STEP YSTEP
345 FOR X = XLO TO XHI STEP XSTEP
360 IF EOF(2) THEN 440:
370 INPUT #2, Z: PRINT #1, X;Y;Z
380 NEXT X
390 NEXT Y
400 '
410 CLOSE #1: CLOSE #2
420 PRINT OUTFIL$; " has been created."
430 SYSTEM
440 CLS: PRINT CHR$(7): PRINT "End of file reached prematurely."
450 CLOSE #1: CLOSE #2
460 SYSTEM
470 CLS: PRINT CHR$(7): PRINT OFL$ +"is not an ASCII grid file."
480 CLOSE #1: CLOSE #2
485 SYSTEM
490 CLS: PRINT CHR$(7): PRINT OFL$ + " not found."
```

```
500 CLOSE #2
510 SYSTEM
520 END
```

APPENDIX E.

GRID Program

This computer code was used to reformat the X,Y,Z data coming from the Appendix D program output into the PLASM 63 by 64 format of the PLASM computer model for the project area study.

APPENDIX E
GRID program

```
10 REM ************************************************************************
12 REM *THIS BASIC PROGRAM (GRIDDAT.BAS) WAS WRITTEN TO CONVERT ASCII GRID
14 REM *FILES (w/ 50' spacing) TO PLASM GRID FILE (variable 50' multiple
16 REM *spacing). THE OUTPUT FILES ARE FOR USE AS INPUT TO THE PLASM FLOW
18 REM *MODEL. WRITTEN BY PETER MATTEJAT 3-31-89.
20 REM ************************************************************************
25 DEFINT I, J, K, L
30 DIM DELX(64), DELY(64), A(171)
35 PRINT "  PROGRAM GRIDDAT CONVERTS UNIFORM GRID DATA INTO VARIABLE GRID DATA"
40 PRINT " "
45          LINE INPUT "     INPUT DATA GRID FILE ?  ";D1$
50          LINE INPUT " INPUT VARIABLE GRID FILE ?  ";G2$
55          LINE INPUT "      NAME OF OUTPUT FILE ?  ";G7$
57 NX=62
59 NY=63
60 REM           INPUT " # X VARIABLE GRID SPACINGS   ";NX
65 REM           INPUT " # Y VARIABLE GRID SPACINGS   ";NY
67 REM **** NC = # OF COLUMNS & NR = # OF ROWS IN FLOW MODEL ****
70 NC=NX+1
75 NR=NY+1
80 GOSUB 500
85 OPEN "O",7,G7$
87 OPEN "I",1,D1$
90 Y=0
93 IFLAG=0
95 REM **** SEARCH FOR COMPATIBLE GRID POINTS ****
100 FOR J=NR TO 1 STEP -1
102 IFLAG=IFLAG+1
105 X=0
120    FOR II=1 TO 171
125 REM **** INPUT ROW OF GRIDDED DATA ****
130 INPUT #1, XX, YY, A(II)
140    NEXT II
145 REM       PRINT IFLAG, J, Y, YY
150 REM **** CHECK IF CORRECT ROW ****
160  IF (YY < Y)  THEN GOTO 120
165 REM **** FIND COLUMNS THEN OUTPUT ****
170    FOR I=1 TO NC
175 II=INT(X/50+0.5)+1
180 PRINT #7, I,J,A(II)
190 X=X+DELX(I)
200    NEXT I
210 REM **** INCREMENT Y ****
212 Y=Y+DELY(J-1)
215 REM      PRINT "IFLAG = ";IFLAG;" NEXT Y = ";Y
230 IF (Y<=0 AND EOF(1)) THEN PRINT "PREMATURE END OF FILE !!!!"
240 NEXT J
250 CLOSE 1
260 CLOSE 7
300 END
```

```
500 REM ************************************************************
505 REM * SUBROUTINE TO READ VARIABLE GRID SPACINGS FOR PLASM     *
510 REM * FLOW MODEL                                              *
515 REM ************************************************************
530 OPEN "I",2,G2$
540 FOR IX=1 TO NX
550 INPUT #2, DELX(IX)
560    NEXT IX
570 FOR IY=1 TO NY
580 INPUT #2, DELY(IY)
590    NEXT IY
600 CLOSE 2
610 RETURN
```

APPENDIX F.

Fragment of Code from PONDARY3.BAS

This computer code was used in the initial phase of this project to allow input of Foth & Van Dyke derived aquifer variables into the interactive section of the PLASM computer model. Once that that was accomplished, this code was not needed thereafter.

Appendix F - fragment of code from PONDARY3.BAS for inputting aquifer data

```
5750 REM
5760 REM *** INPUT SPECIAL ZONE PARAMETERS ***
5761 PRINT "This section allows input of special arrays such as"
5762 PRINT "BOTT1, BOTT2, PERM1, PERM2, Q, etc."
5763 PRINT "Now, please enter the correct name of the array to"
5764 INPUT "be read in (EXAMPLE BOTT1)",SPECIAL$
     Xfile$=SPECIAL$+".DAT"
5765 OPEN "I",1,Xfile$
5766 FOR I=1 TO NC
5767 FOR J = 1 TO NR
     INPUT #1,III,JJJ,XXX
     IF SPECIAL$="BOTT1" THEN BOTT1(III,JJJ)=XXX
     IF SPECIAL$="BOTT2" THEN BOTT2(III,JJJ)=XXX
5768 IF SPECIAL$="PERM1" THEN PERM1(III,JJJ)=XXX
     IF SPECIAL$="PERM2" THEN PERM2(III,JJJ)=XXX
     IF SPECIAL$="Q" THEN Q(III,JJJ)=XXX*(DELX(I)+DELX(I+1))*(DELY(J)+DELY(J+1))/4
5769 NEXT J:NEXT I
     CLOSE 1
5770 PRINT "THIS ARRAY HAS BEEN READ IN.  DO YOU WANT TO READ"
5771 INPUT "MORE ARRAYS?  Y-YES OR N-NO";MORE$
5772 IF MORE$="Y" OR MORE$="y" THEN 5761
5780 CLS
```

APPENDIX G.

Printouts From Best Engineering Judgement (BEJ) Final Steady-State Condition Model Calibration Run

This type of printout accompanys the computer runs. Contained herein are the numeric computer outputs as the PLASM model operates for each time increment of the simulation. The objective in this printout was to produce the steady-state set of information on water balances and the water-level elevations of the pre-mining hydrologic system. In the computational process, several balances/iterations/and error checking are done. It is the last set of water balances that are the ones of final interest. A category printout of water-level elevations for the steady-state condition is the last part of this printout. The category printout explanation is given in the text.

```
 This is a RESTART simulation from filename BALSTAR0.PLA
  ITER =  1  ER =  286.9601  TIME =  1343.797
  ITER =  2  ER =  99.27112  TIME =  1343.797
  ITER =  3  ER =  56.89612  TIME =  1343.797
  ITER =  4  ER =  37.19873  TIME =  1343.797
 Flow from storage = 1027.845    Flow into storage = 1008.927
 Flow in from leakance = 997288.8    Flow out via leakance 1357782
 Flow in from withdrawal = 361136.2    Flow out via withdrawal = 0
 Flow from constant heads = 0    Flow to constant heads = 0

 Total Flow IN = 1359443    Total Flow OUT = 1358789
 Percent of unaccounted water = -4.812191E-02
 WB = 100*(1 - ABS(TOTIN/TOTOUT))


  ITER =  1  ER =  43.51978  TIME =  2956.353
  ITER =  2  ER =  30.16833  TIME =  2956.353
 Flow from storage = 91.46355    Flow into storage = 164.6154
 Flow in from leakance = 997723.3    Flow out via leakance 1357440
 Flow in from withdrawal = 361136.2    Flow out via withdrawal = 0
 Flow from constant heads = 0    Flow to constant heads = 0

 Total Flow IN = 1358943    Total Flow OUT = 1357598
 Percent of unaccounted water = -9.902599E-02
 WB = 100*(1 - ABS(TOTIN/TOTOUT))


  ITER =  1  ER =  26.1283  TIME =  4891.421
 Flow from storage = 23.97025    Flow into storage = 53.91045
 Flow in from leakance = 997670.8    Flow out via leakance 1357859
 Flow in from withdrawal = 361136.2    Flow out via withdrawal = 0
 Flow from constant heads = 0    Flow to constant heads = 0

 Total Flow IN = 1358810    Total Flow OUT = 1357904
 Percent of unaccounted water = -6.672046E-02
 WB = 100*(1 - ABS(TOTIN/TOTOUT))


  ITER =  1  ER =  20.83337  TIME =  7213.502
 Flow from storage = 14.35972    Flow into storage = 36.96609
 Flow in from leakance = 997788    Flow out via leakance 1358321
 Flow in from withdrawal = 361136.2    Flow out via withdrawal = 0
 Flow from constant heads = 0    Flow to constant heads = 0

 Total Flow IN = 1358923    Total Flow OUT = 1358340
 Percent of unaccounted water = -4.292924E-02
 WB = 100*(1 - ABS(TOTIN/TOTOUT))


  ITER =  1  ER =  18.85559  TIME =  10000
 Flow from storage = 10.53796    Flow into storage = 29.41942
 Flow in from leakance = 997434.2    Flow out via leakance 1359276
 Flow in from withdrawal = 361136.2    Flow out via withdrawal = 0
 Flow from constant heads = 0    Flow to constant heads = 0

 Total Flow IN = 1358568    Total Flow OUT = 1359285
 Percent of unaccounted water =  5.281268E-02
 WB = 100*(1 - ABS(TOTIN/TOTOUT))
```

This is a water balance for Wetland Area Number 1
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 2154.669 GPD
Flow INTO aquifer from net Withdrawal terms is 1997.339 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -157.3307 GPD

This is a water balance for Wetland Area Number 2
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 1976.459 GPD
Flow INTO aquifer from net Withdrawal terms is 1810.228 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -166.2311 GPD

This is a water balance for Wetland Area Number 3
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 249.6598 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 249.6598 GPD

This is a water balance for Wetland Area Number 4
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 580.9368 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 580.9368 GPD

This is a water balance for Wetland Area Number 5
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 1859.696 GPD
Flow INTO aquifer from net Withdrawal terms is 2417.759 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 558.0624 GPD

This is a water balance for Wetland Area Number 6
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 118.8763 GPD
Flow INTO aquifer from net Withdrawal terms is 639.3596 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 520.4833 GPD

This is a water balance for Wetland Area Number 7
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 371.7597 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 371.7597 GPD

This is a water balance for Wetland Area Number 8
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 363.2997 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 363.2997 GPD

Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 3236.287 GPD
Flow INTO aquifer from net Withdrawal terms is 7403.042 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 4166.756 GPD

This is a water balance for Wetland Area Number 10
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 5962.897 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 5962.897 GPD

This is a water balance for Lower third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 10505.37 GPD
Flow INTO aquifer from net Withdrawal terms is 987.3591 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -9518.012 GPD

This is a water balance for Middle third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 97.65625 GPD
Flow OUT of aquifer from Leakance terms is 14080.81 GPD
Flow INTO aquifer from net Withdrawal terms is 3167.647 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -10815.51 GPD

This is a water balance for Upper third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 14.64844 GPD
Flow OUT of aquifer from Leakance terms is 3403.32 GPD
Flow INTO aquifer from net Withdrawal terms is 1214.399 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -2174.273 GPD

This is a water balance for Flambeau River DOWNSTREAM of mine area
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 16030.03 GPD
Flow INTO aquifer from net Withdrawal terms is 1710.972 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -14319.06 GPD

This is a water balance for Flambeau River ADJACENT to mine area
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 87596.19 GPD
Flow INTO aquifer from net Withdrawal terms is 1030.926 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -86565.27 GPD

This is a water balance for Flambeau River UPSTREAM of mine area
Flow INTO aquifer from Leakance terms is 11918.95 GPD
Flow OUT of aquifer from Leakance terms is 1016600 GPD
Flow INTO aquifer from net Withdrawal terms is 4978.508 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -999702.9 GPD

This is a water balance for FIRST Column flow

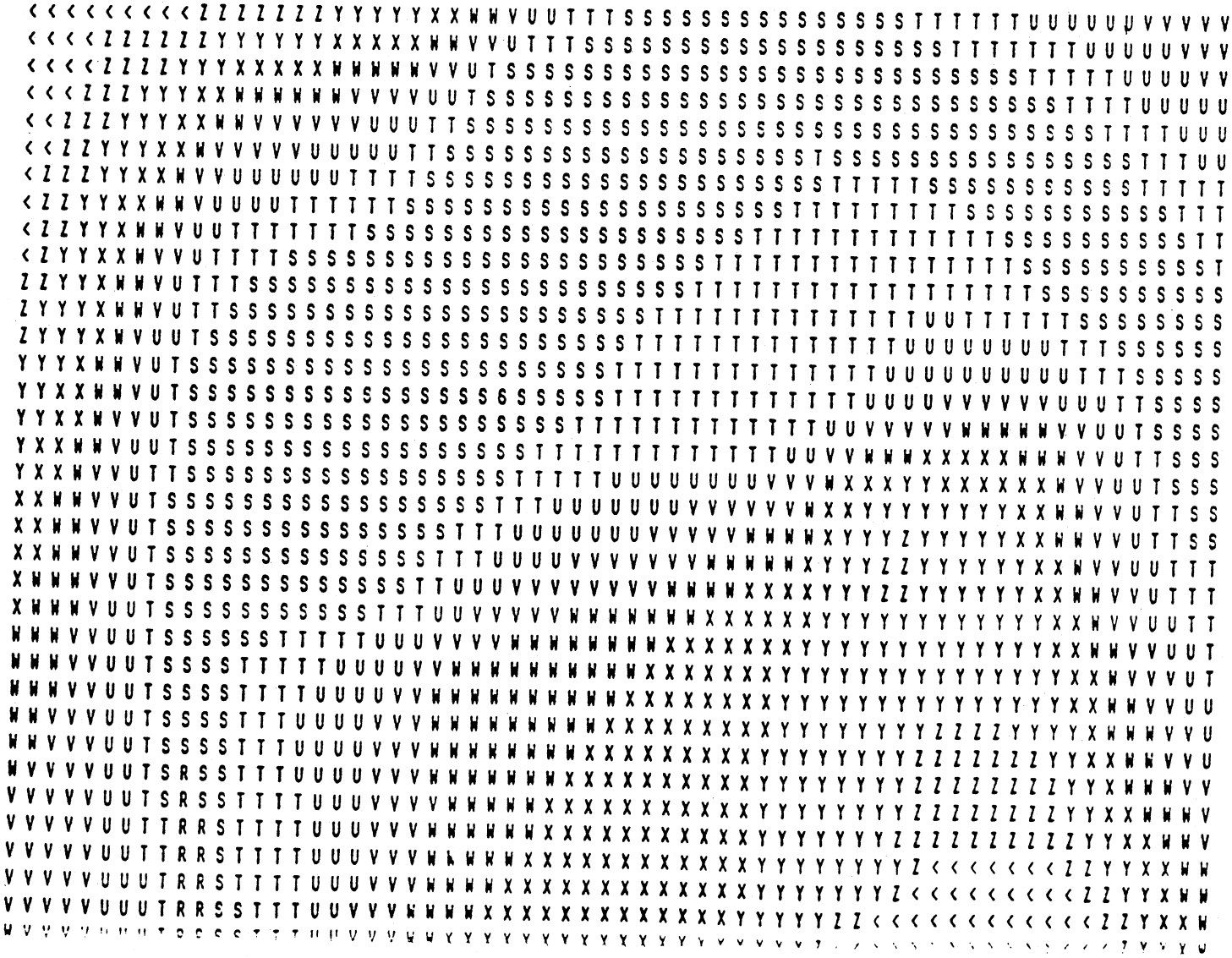
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 179972 GPD

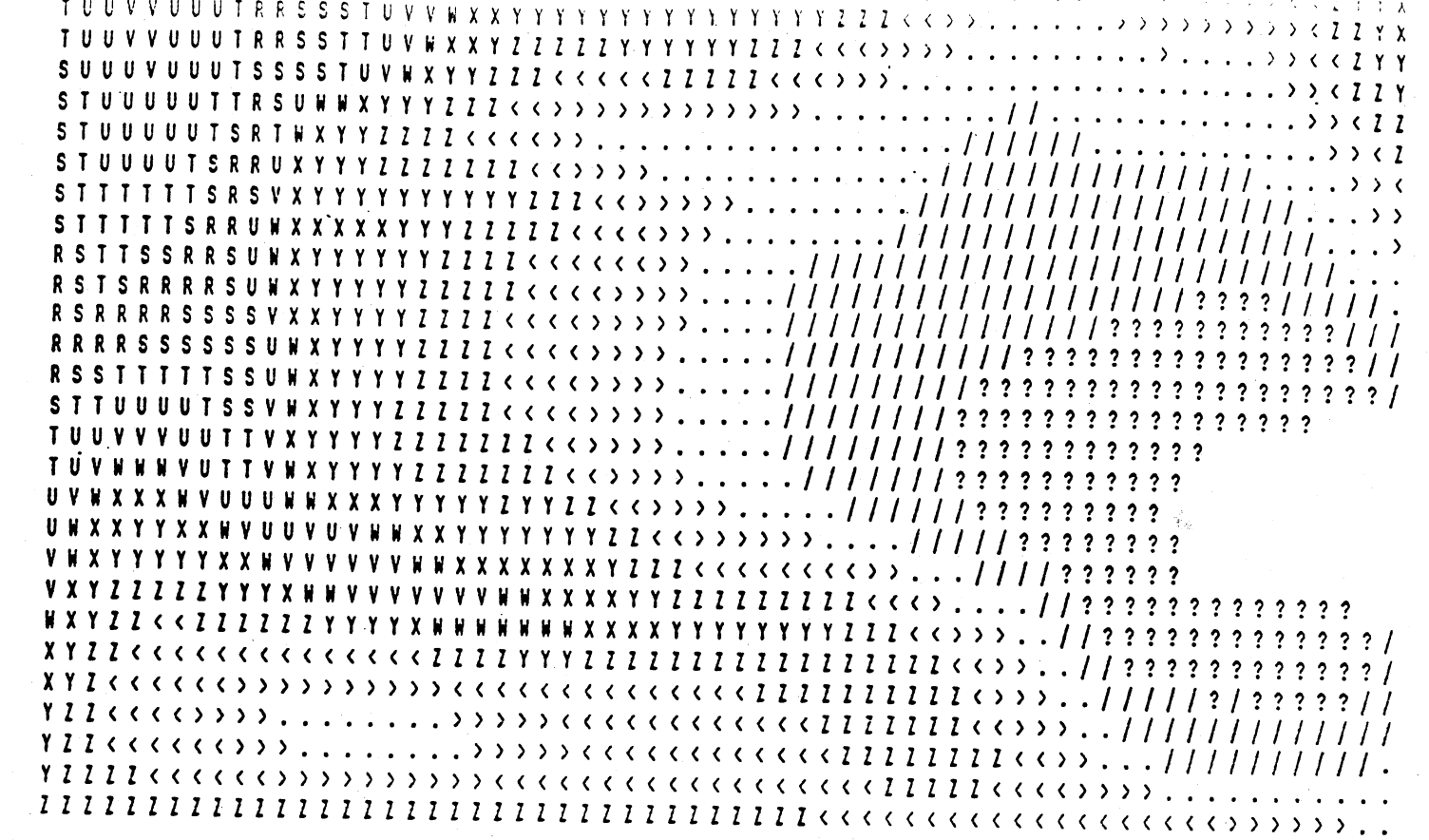
This is a water balance for LAST Column flow
Flow INTO aquifer from Leakance terms is 12988.28 GPD
Flow OUT of aquifer from Leakance terms is 21318.36 GPD
Flow INTO aquifer from net Withdrawal terms is 4014.122 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -4315.956 GPD

This is a water balance for FIRST Row flow
Flow INTO aquifer from Leakance terms is 750500.5 GPD
Flow OUT of aquifer from Leakance terms is 44575.2 GPD
Flow INTO aquifer from net Withdrawal terms is 3038.636 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 708963.9 GPD

This is a water balance for LAST Row flow
Flow INTO aquifer from Leakance terms is 24.41406 GPD
Flow OUT of aquifer from Leakance terms is 19151.61 GPD
Flow INTO aquifer from net Withdrawal terms is 6465.11 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -12662.09 GPD

CATEGORY PRINTOUT





APPENDIX H.

Steady-State BEJ Calibrated Condition Model Node Flows

This appendix contains a list of every node of the model in X,Y,Z format where Z is the net withdrawal rate for that node at the calibrated BEJ condition. A plus (+) number indicates, in PLASM convention, a node withdrawal (outflow from the model from such items as underflow, river or creek runoff, or upward evapotranspiration flows). A negative number (-) indicates flow into the aquifer such as groundwater recharge, induced infiltration, or underflow at the model edges.

If the reader likes, a seperate water balance within any area of the model may be assembled by gathering node for node data from this printout and combine it with model input data (such as that given in Appendix B, for example) and the descretizing approximations inherent in assembling this model.

STEADY STATE BST CALIBRATION MODEL

10000	2786.498	
0.0000	0.0000	-13.2068
0.0000	200.0000	-22.9724
0.0000	400.0000	367.6526
0.0000	600.0000	396.9495
0.0000	800.0000	377.4182
0.0000	1000.0000	426.2463
0.0000	1200.0000	543.4338
0.0000	1400.0000	455.5432
0.0000	1600.0000	709.4495
0.0000	1800.0000	377.4182
0.0000	2000.0000	220.0089
0.0000	2200.0000	552.0401
0.0000	2400.0000	140.5926
0.0000	2600.0000	113.4556
0.0000	2800.0000	414.1788
0.0000	3000.0000	9.7656
0.0000	3200.0000	126.9531
0.0000	3400.0000	451.7068
0.0000	3600.0000	754.4412
0.0000	3800.0000	1135.3005
0.0000	4000.0000	1128.5129
0.0000	4200.0000	1468.1599
0.0000	4400.0000	1767.9691
0.0000	4600.0000	1855.8597
0.0000	4800.0000	3149.7073
0.0000	4900.0000	-785.9373
0.0000	5000.0000	3208.2034
0.0000	5100.0000	-240.0560
0.0000	5200.0000	11205.2568
0.0000	5300.0000	-22066.2285
0.0000	5400.0000	9496.2725
0.0000	5500.0000	365.4127
0.0000	5600.0000	222.6950
0.0000	5700.0000	46.9138
0.0000	5800.0000	-60.5081
0.0000	5900.0000	90.8591
0.0000	6000.0000	369.8966
0.0000	6100.0000	-1.1972
0.0000	6200.0000	-635.9628
0.0000	6300.0000	941.1856
0.0000	6400.0000	-1363.5018
0.0000	6500.0000	-484.5956
0.0000	6600.0000	-836.1581
0.0000	6700.0000	-2891.8223
0.0000	6800.0000	-2325.4160
0.0000	6900.0000	-2916.2363
0.0000	7000.0000	-5176.9785
0.0000	7200.0000	-3641.9324
0.0000	7400.0000	-5692.0679
0.0000	7600.0000	-10349.4541
0.0000	7800.0000	-7156.0947
0.0000	8000.0000	-14057.5234
0.0000	8200.0000	-15375.8828
0.0000	8400.0000	-19799.7109
0.0000	8600.0000	-14389.5547
0.0000	8800.0000	-12045.8047
0.0000	9000.0000	-19282.1328
0.0000	9200.0000	-12543.8516
0.0000	9400.0000	-12214.6885

0.0000	9600.0000	-7683.4385
0.0000	9800.0000	-19724.4551
0.0000	10000.0000	148.5925
0.0000	10200.0000	-9245.9385
0.0000	10400.0000	-7058.4385
00.0000	0.0000	113.7464
200.0000	200.0000	-140.1599
00.0000	400.0000	-140.1599
00.0000	600.0000	-140.1599
200.0000	800.0000	-140.1599
200.0000	1000.0000	-140.1599
00.0000	1200.0000	-140.1599
200.0000	1400.0000	-140.1599
200.0000	1600.0000	-140.1599
00.0000	1800.0000	-140.1599
00.0000	2000.0000	-72.9599
200.0000	2200.0000	-72.9599
00.0000	2400.0000	-54.7199
00.0000	2600.0000	-52.5600
200.0000	2800.0000	-35.0400
200.0000	3000.0000	283.2031
00.0000	3200.0000	0.0000
200.0000	3400.0000	-427.1994
200.0000	3600.0000	-427.1994
00.0000	3800.0000	-427.1994
00.0000	4000.0000	-316.7996
200.0000	4200.0000	-475.1994
200.0000	4400.0000	-546.4840
00.0000	4600.0000	-546.4840
200.0000	4800.0000	-409.8630
00.0000	4900.0000	-273.2420
.00.0000	5000.0000	-273.2420
200.0000	5100.0000	-142.3998
200.0000	5200.0000	-142.3998
200.0000	5300.0000	-142.3998
200.0000	5400.0000	-142.3998
200.0000	5500.0000	-142.3998
200.0000	5600.0000	-11.6800
200.0000	5700.0000	-11.6800
200.0000	5800.0000	-11.6800
200.0000	5900.0000	-11.6800
200.0000	6000.0000	-6.0800
200.0000	6100.0000	-6.0800
200.0000	6200.0000	-6.0800
200.0000	6300.0000	-6.0800
200.0000	6400.0000	-6.0800
200.0000	6500.0000	-6.0800
200.0000	6600.0000	-6.0800
200.0000	6700.0000	-6.0800
200.0000	6800.0000	-6.0800
200.0000	6900.0000	-6.0800
200.0000	7000.0000	-6.0800
200.0000	7200.0000	-6.0800
200.0000	7400.0000	-13.6800
200.0000	7600.0000	-46.7200
00.0000	7800.0000	-46.7200
00.0000	8000.0000	-24.3200
200.0000	8200.0000	-24.3200
200.0000	8400.0000	-24.3200
200.0000	8600.0000	-24.3200

200.0000	8800.0000	-24.3200
200.0000	9000.0000	-24.3200
200.0000	9200.0000	-24.3200
200.0000	9400.0000	-46.7200
200.0000	9600.0000	486.4937
00.0000	9800.0000	571.5101
200.0000	10000.0000	402.4731
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200.0000	10400.0000	-9617.0322
400.0000	0.0000	191.8714
400.0000	200.0000	-140.1599
400.0000	400.0000	-140.1599
400.0000	600.0000	-140.1599
400.0000	800.0000	-140.1599
400.0000	1000.0000	-140.1599
400.0000	1200.0000	-140.1599
400.0000	1400.0000	-140.1599
400.0000	1600.0000	-140.1599
400.0000	1800.0000	-140.1599
400.0000	2000.0000	-140.1599
400.0000	2200.0000	-140.1599
400.0000	2400.0000	-105.1199
400.0000	2600.0000	-52.5600
400.0000	2800.0000	-35.0400
400.0000	3000.0000	283.2031
400.0000	3200.0000	527.3438
400.0000	3400.0000	-427.1994
400.0000	3600.0000	-427.1994
400.0000	3800.0000	-316.7996
400.0000	4000.0000	-316.7996
00.0000	4200.0000	-475.1994
00.0000	4400.0000	-546.4840
400.0000	4600.0000	-546.4840
400.0000	4800.0000	-409.8630
400.0000	4900.0000	-273.2420
400.0000	5000.0000	-273.2420
400.0000	5100.0000	-213.5998
400.0000	5200.0000	-142.3998
400.0000	5300.0000	-142.3998
400.0000	5400.0000	-11.6800
400.0000	5500.0000	-11.6800
400.0000	5600.0000	-11.6800
400.0000	5700.0000	-11.6800
400.0000	5800.0000	-11.6800
400.0000	5900.0000	-11.6800
400.0000	6000.0000	-6.0800
400.0000	6100.0000	-6.0800
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400.0000	6900.0000	-6.0800
00.0000	7000.0000	-6.0800
00.0000	7200.0000	-6.0800
400.0000	7400.0000	-9.1200
400.0000	7600.0000	-18.2400
400.0000	7800.0000	-24.3200

400.0000	8000.0000	-24.3200
600.0000	8200.0000	-24.3200
600.0000	8400.0000	-24.3200
400.0000	8600.0000	-24.3200
600.0000	8800.0000	-46.7200
600.0000	9000.0000	-24.3200
400.0000	9200.0000	-24.3200
400.0000	9400.0000	-24.3200
600.0000	9600.0000	-24.3200
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400.0000	10000.0000	434.5508
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600.0000	400.0000	-140.1599
600.0000	600.0000	-140.1599
600.0000	800.0000	-140.1599
600.0000	1000.0000	-140.1599
600.0000	1200.0000	-140.1599
600.0000	1400.0000	-140.1599
600.0000	1600.0000	-140.1599
600.0000	1800.0000	-140.1599
600.0000	2000.0000	-140.1599
600.0000	2200.0000	-140.1599
600.0000	2400.0000	-105.1199
600.0000	2600.0000	-52.5600
600.0000	2800.0000	-35.0400
600.0000	3000.0000	527.3438
600.0000	3200.0000	371.0938
400.0000	3400.0000	-427.1994
00.0000	3600.0000	-427.1994
600.0000	3800.0000	-193.6777
600.0000	4000.0000	-316.7996
600.0000	4200.0000	-475.1994
600.0000	4400.0000	-546.4840
600.0000	4600.0000	-546.4840
600.0000	4800.0000	-409.8630
600.0000	4900.0000	-273.2420
600.0000	5000.0000	-273.2420
600.0000	5100.0000	-273.2420
400.0000	5200.0000	-213.5998
00.0000	5300.0000	-142.3998
600.0000	5400.0000	-11.6800
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600.0000	5600.0000	-11.6800
600.0000	5700.0000	-11.6800
600.0000	5800.0000	-11.6800
600.0000	5900.0000	-11.6800
600.0000	6000.0000	-6.0800
600.0000	6100.0000	-6.0800
600.0000	6200.0000	-6.0800
600.0000	6300.0000	-6.0800
600.0000	6400.0000	-6.0800
600.0000	6500.0000	-6.0800
00.0000	6600.0000	-6.0800
00.0000	6700.0000	-6.0800
600.0000	6800.0000	-6.0800
600.0000	6900.0000	-6.0800
600.0000	7000.0000	-6.0800

600.0000	7200.0000	-6.0800
600.0000	7400.0000	-9.1200
600.0000	7600.0000	-12.1600
600.0000	7800.0000	-18.2400
600.0000	8000.0000	-24.3200
600.0000	8200.0000	-24.3200
600.0000	8400.0000	-24.3200
600.0000	8600.0000	-24.3200
600.0000	8800.0000	-46.7200
600.0000	9000.0000	-24.3200
600.0000	9200.0000	-24.3200
600.0000	9400.0000	-24.3200
600.0000	9600.0000	-24.3200
600.0000	9800.0000	-24.3200
600.0000	10000.0000	346.3371
600.0000	10200.0000	814.4517
600.0000	10400.0000	-21101.4082
800.0000	0.0000	289.5276
800.0000	200.0000	-140.1599
800.0000	400.0000	-140.1599
800.0000	600.0000	-140.1599
800.0000	800.0000	-140.1599
800.0000	1000.0000	-140.1599
800.0000	1200.0000	-140.1599
800.0000	1400.0000	-140.1599
800.0000	1600.0000	-140.1599
800.0000	1800.0000	-140.1599
800.0000	2000.0000	-140.1599
800.0000	2200.0000	-140.1599
800.0000	2400.0000	-105.1199
800.0000	2600.0000	-27.3600
800.0000	2800.0000	-18.2400
800.0000	3000.0000	0.0000
800.0000	3200.0000	185.5469
800.0000	3400.0000	820.3125
800.0000	3600.0000	283.6153
800.0000	3800.0000	232.2956
800.0000	4000.0000	-83.0829
800.0000	4200.0000	-421.5269
800.0000	4400.0000	-546.4840
800.0000	4600.0000	-546.4840
800.0000	4800.0000	-409.8630
800.0000	4900.0000	-273.2420
800.0000	5000.0000	-273.2420
800.0000	5100.0000	-211.1998
800.0000	5200.0000	-211.1998
800.0000	5300.0000	-158.3998
800.0000	5400.0000	-105.5999
800.0000	5500.0000	-6.0800
800.0000	5600.0000	-6.0800
800.0000	5700.0000	-6.0800
800.0000	5800.0000	-11.6800
800.0000	5900.0000	-6.0800
800.0000	6000.0000	-6.0800
800.0000	6100.0000	-6.0800
800.0000	6200.0000	-6.0800
800.0000	6300.0000	-6.0800
800.0000	6400.0000	-6.0800
800.0000	6500.0000	-6.0800
800.0000	6600.0000	-6.0800

800.0000	6700.0000	-6.0800
00.0000	6800.0000	-6.0800
00.0000	6900.0000	-6.0800
800.0000	7000.0000	-6.0800
00.0000	7200.0000	-11.6800
00.0000	7400.0000	-17.5200
00.0000	7600.0000	-12.1600
00.0000	7800.0000	-12.1600
00.0000	8000.0000	-18.2400
800.0000	8200.0000	-24.3200
800.0000	8400.0000	-24.3200
00.0000	8600.0000	-24.3200
00.0000	8800.0000	-46.7200
800.0000	9000.0000	-46.7200
00.0000	9200.0000	-46.7200
00.0000	9400.0000	-46.7200
800.0000	9600.0000	-46.7200
800.0000	9800.0000	-46.7200
00.0000	10000.0000	17.3307
00.0000	10200.0000	583.1985
800.0000	10400.0000	26408.3574
00.0000	0.0000	367.6526
00.0000	200.0000	-140.1599
1000.0000	400.0000	-140.1599
000.0000	600.0000	-140.1599
00.0000	800.0000	-140.1599
1000.0000	1000.0000	-140.1599
1000.0000	1200.0000	-140.1599
00.0000	1400.0000	-140.1599
00.0000	1600.0000	-140.1599
000.0000	1800.0000	-140.1599
00.0000	2000.0000	-140.1599
00.0000	2200.0000	-140.1599
1000.0000	2400.0000	-105.1199
1000.0000	2600.0000	-27.3600
00.0000	2800.0000	-18.2400
000.0000	3000.0000	-18.2400
1000.0000	3200.0000	255.1975
00.0000	3400.0000	166.0156
00.0000	3600.0000	522.9404
1000.0000	3800.0000	-405.0804
00.0000	4000.0000	-230.1583
00.0000	4200.0000	-351.8679
1000.0000	4400.0000	-546.4840
1000.0000	4600.0000	-546.4840
00.0000	4800.0000	-409.8630
000.0000	4900.0000	-273.2420
1000.0000	5000.0000	-273.2420
00.0000	5100.0000	-211.1998
00.0000	5200.0000	-211.1998
1000.0000	5300.0000	-211.1998
000.0000	5400.0000	-158.3998
00.0000	5500.0000	-105.5999
1000.0000	5600.0000	-105.5999
1000.0000	5700.0000	-105.5999
00.0000	5800.0000	-105.5999
00.0000	5900.0000	-6.0800
1000.0000	6000.0000	-6.0800
000.0000	6100.0000	-6.0800
000.0000	6200.0000	-6.0800

1000.0000	6300.0000	-6.0800
1000.0000	6400.0000	-6.0800
1000.0000	6500.0000	-6.0800
1000.0000	6600.0000	-6.0800
1000.0000	6700.0000	-6.0800
1000.0000	6800.0000	-6.0800
00.0000	6900.0000	-6.0800
1000.0000	7000.0000	-6.0800
1000.0000	7200.0000	-11.6800
1000.0000	7400.0000	-17.5200
1000.0000	7600.0000	-12.1600
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1000.0000	8600.0000	-24.3200
1000.0000	8800.0000	-46.7200
1000.0000	9000.0000	-24.3200
1000.0000	9200.0000	-24.3200
1000.0000	9400.0000	-46.7200
1000.0000	9600.0000	-46.7200
1000.0000	9800.0000	-46.7200
1000.0000	10000.0000	-46.7200
1000.0000	10200.0000	617.3204
1000.0000	10400.0000	-28435.3926
1200.0000	0.0000	387.1838
1200.0000	200.0000	-140.1599
1200.0000	400.0000	-140.1599
1200.0000	600.0000	-140.1599
1200.0000	800.0000	-140.1599
1200.0000	1000.0000	-140.1599
00.0000	1200.0000	-140.1599
1200.0000	1400.0000	-140.1599
1200.0000	1600.0000	34.9048
1200.0000	1800.0000	141.6209
1200.0000	2000.0000	-72.9599
1200.0000	2200.0000	-72.9599
1200.0000	2400.0000	-54.7199
1200.0000	2600.0000	-27.3600
1200.0000	2800.0000	-18.2400
1200.0000	3000.0000	-18.2400
1200.0000	3200.0000	-18.2400
200.0000	3400.0000	87.8906
200.0000	3600.0000	468.7500
1200.0000	3800.0000	455.1159
1200.0000	4000.0000	231.3375
1200.0000	4200.0000	-126.7996
1200.0000	4400.0000	-321.5730
1200.0000	4600.0000	-546.4840
200.0000	4800.0000	-409.8630
200.0000	4900.0000	-273.2420
1200.0000	5000.0000	-273.2420
1200.0000	5100.0000	-211.1998
1200.0000	5200.0000	-211.1998
1200.0000	5300.0000	-211.1998
1200.0000	5400.0000	-211.1998
10.0000	5500.0000	-158.3998
1200.0000	5600.0000	-105.5999
1200.0000	5700.0000	-105.5999
1200.0000	5800.0000	-105.5999

1200.0000	5900.0000	-105.5999
00.0000	6000.0000	-105.5999
200.0000	6100.0000	-6.0800
1200.0000	6200.0000	-6.0800
00.0000	6300.0000	-6.0800
00.0000	6400.0000	-6.0800
200.0000	6500.0000	-6.0800
200.0000	6600.0000	-6.0800
00.0000	6700.0000	-6.0800
1200.0000	6800.0000	-6.0800
1200.0000	6900.0000	-6.0800
00.0000	7000.0000	-6.0800
200.0000	7200.0000	-11.6800
1200.0000	7400.0000	-9.1200
00.0000	7600.0000	-12.1600
00.0000	7800.0000	-23.3600
1200.0000	8000.0000	-23.3600
1200.0000	8200.0000	-12.1600
200.0000	8400.0000	-18.2400
200.0000	8600.0000	-24.3200
1200.0000	8800.0000	-24.3200
200.0000	9000.0000	-24.3200
200.0000	9200.0000	-24.3200
1200.0000	9400.0000	-46.7200
200.0000	9600.0000	-46.7200
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1200.0000	10000.0000	-46.7200
1200.0000	10200.0000	-46.7200
200.0000	10400.0000	-19040.8613
400.0000	0.0000	357.8870
00.0000	200.0000	-140.1599
00.0000	400.0000	-140.1599
400.0000	600.0000	-140.1599
1400.0000	800.0000	-140.1599
1400.0000	1000.0000	-88.6888
400.0000	1200.0000	105.2976
1400.0000	1400.0000	-111.9084
1400.0000	1600.0000	-140.1599
400.0000	1800.0000	-35.3307
400.0000	2000.0000	291.0070
1400.0000	2200.0000	-72.9599
400.0000	2400.0000	-54.7199
400.0000	2600.0000	-27.3600
1400.0000	2800.0000	-18.2400
1400.0000	3000.0000	-18.2400
400.0000	3200.0000	167.3069
1400.0000	3400.0000	267.6944
1400.0000	3600.0000	248.1631
400.0000	3800.0000	644.9222
400.0000	4000.0000	234.3361
1400.0000	4200.0000	420.3031
400.0000	4400.0000	-283.2055
400.0000	4600.0000	-469.5394
1400.0000	4800.0000	-409.8630
1400.0000	4900.0000	-273.2420
00.0000	5000.0000	-273.2420
00.0000	5100.0000	-211.1998
1400.0000	5200.0000	-211.1998
1400.0000	5300.0000	-211.1998
1400.0000	5400.0000	-211.1998

1400.0000	5500.0000	-211.1998
00.0000	5600.0000	-158.3998
00.0000	5700.0000	-105.5999
1400.0000	5800.0000	-105.5999
00.0000	5900.0000	-105.5999
00.0000	6000.0000	-105.5999
00.0000	6100.0000	-105.5999
1400.0000	6200.0000	-6.0800
00.0000	6300.0000	-6.0800
1400.0000	6400.0000	-6.0800
1400.0000	6500.0000	-6.0800
00.0000	6600.0000	-6.0800
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4000.0000	600.0000	-70.0799
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4000.0000	9200.0000	-237.5998
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100.0000	5500.0000	0.0000
100.0000	5600.0000	0.0000
4100.0000	5700.0000	0.0000
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4200.0000	600.0000	-70.0799
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200.0000	1600.0000	-70.0799
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200.0000	3000.0000	-35.0400
4200.0000	3200.0000	-35.0400
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200.0000	5400.0000	0.0000
200.0000	5500.0000	0.0000
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200.0000	6200.0000	-7.3912

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4200.0000	7200.0000	-160.1998
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4300.0000	400.0000	-70.0799
4300.0000	600.0000	-70.0799
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4300.0000	1000.0000	66.0591
4300.0000	1200.0000	445.2342
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4300.0000	1800.0000	-70.0799
4300.0000	2000.0000	-70.0799
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4300.0000	3000.0000	-35.0400
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4300.0000	3600.0000	-35.0400
4300.0000	3800.0000	35.6800
4300.0000	4000.0000	-31.2678
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4300.0000	4600.0000	-140.1599
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4300.0000	4900.0000	-78.8399
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4500.0000	7200.0000	-160.1998
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4600.0000	2800.0000	-9.1200
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4600.0000	6400.0000	-13.1400
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4600.0000	7000.0000	-160.1998
4600.0000	7200.0000	-160.1998
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4600.0000	9200.0000	-237.5998
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700.0000	5300.0000	0.0000
700.0000	5400.0000	0.0000
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4700.0000	5600.0000	0.0000
700.0000	5700.0000	0.0000
700.0000	5800.0000	0.0000
4700.0000	5900.0000	0.0000
700.0000	6000.0000	0.0000
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700.0000	6800.0000	-136.6210
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700.0000	7000.0000	-160.1998
700.0000	7200.0000	-160.1998
4700.0000	7400.0000	-240.2998
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800.0000	2600.0000	-9.1200
4800.0000	2800.0000	-9.1200

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000.0000	5100.0000	-24.3200
6000.0000	5200.0000	-12.1600
6000.0000	5300.0000	-12.1600
000.0000	5400.0000	-12.1600
000.0000	5500.0000	-23.3600
6000.0000	5600.0000	-23.3600
000.0000	5700.0000	-17.5200
00.0000	5800.0000	-23.3600
00.0000	5900.0000	-23.3600
000.0000	6000.0000	-23.3600
000.0000	6100.0000	-17.5200
6000.0000	6200.0000	-17.5200

?00.0000	6300.0000	-17.5200
)00.0000	6400.0000	-17.5200
6000.0000	6500.0000	-4.3800
6000.0000	6600.0000	-4.3800
)00.0000	6700.0000	-4.3800
0.0000	6800.0000	-4.3800
6000.0000	6900.0000	-4.3800
)00.0000	7000.0000	-4.3800
)00.0000	7200.0000	-6.5700
6000.0000	7400.0000	-106.7999
6000.0000	7600.0000	-106.7999
)00.0000	7800.0000	-8.7600
6000.0000	8000.0000	-106.7999
6000.0000	8200.0000	-106.7999
)00.0000	8400.0000	-106.7999
)00.0000	8600.0000	-106.7999
6000.0000	8800.0000	-106.7999
?00.0000	9000.0000	-106.7999
)00.0000	9200.0000	-106.7999
6000.0000	9400.0000	0.0000
6000.0000	9600.0000	92.1448
)00.0000	9800.0000	10156.2500
)00.0000	10000.0000	-106.7999
6000.0000	10200.0000	-106.7999
)00.0000	10400.0000	-9354.8467
?00.0000	0.0000	484.8401
6200.0000	200.0000	-140.1599
6200.0000	400.0000	-140.1599
?00.0000	600.0000	-140.1599
6200.0000	800.0000	-86.9067
)0.0000	1000.0000	59.7493
_00.0000	1200.0000	-3.5675
?00.0000	1400.0000	11.2134
6200.0000	1600.0000	63.6804
?00.0000	1800.0000	104.4590
?00.0000	2000.0000	-62.3766
6200.0000	2200.0000	-105.1199
6200.0000	2400.0000	-39.4200
?00.0000	2600.0000	-9.1200
6200.0000	2800.0000	-9.1200
6200.0000	3000.0000	-18.2400
?00.0000	3200.0000	-18.2400
?00.0000	3400.0000	-18.2400
6200.0000	3600.0000	-18.2400
?00.0000	3800.0000	-18.2400
?00.0000	4000.0000	-27.3600
6200.0000	4200.0000	-36.4800
6200.0000	4400.0000	-36.4800
200.0000	4600.0000	-36.4800
_200.0000	4800.0000	-36.4800
6200.0000	4900.0000	-70.0800
200.0000	5000.0000	-70.0800
200.0000	5100.0000	-46.7200
6200.0000	5200.0000	-23.3600
200.0000	5300.0000	-23.3600
00.0000	5400.0000	-23.3600
200.0000	5500.0000	-12.1600
6200.0000	5600.0000	-12.1600
200.0000	5700.0000	-6.0800
200.0000	5800.0000	-17.5200

6200.0000	5900.0000	-23.3600
200.0000	6000.0000	-23.3600
200.0000	6100.0000	-17.5200
6200.0000	6200.0000	-17.5200
200.0000	6300.0000	-17.5200
0.0000	6400.0000	-17.5200
6200.0000	6500.0000	-4.3800
6200.0000	6600.0000	-4.3800
200.0000	6700.0000	-4.3800
200.0000	6800.0000	-4.3800
6200.0000	6900.0000	-4.3800
200.0000	7000.0000	-2.2800
200.0000	7200.0000	-59.3999
6200.0000	7400.0000	-8.7600
6200.0000	7600.0000	-8.7600
200.0000	7800.0000	-106.7999
6200.0000	8000.0000	-8.7600
6200.0000	8200.0000	-4.5600
200.0000	8400.0000	-106.7999
200.0000	8600.0000	-106.7999
6200.0000	8800.0000	-106.7999
200.0000	9000.0000	-79.2000
200.0000	9200.0000	-79.2000
6200.0000	9400.0000	0.0000
6200.0000	9600.0000	3056.6406
6200.0000	9800.0000	11455.0781
6200.0000	10000.0000	-106.7999
6200.0000	10200.0000	-106.7999
6200.0000	10400.0000	-10722.0342
6400.0000	0.0000	504.3713
0.0000	200.0000	-140.1599
400.0000	400.0000	-140.1599
6400.0000	600.0000	-140.1599
6400.0000	800.0000	57.2859
6400.0000	1000.0000	73.5344
6400.0000	1200.0000	-140.1599
6400.0000	1400.0000	-11.1676
6400.0000	1600.0000	9.5362
6400.0000	1800.0000	-114.0574
6400.0000	2000.0000	-140.1599
6400.0000	2200.0000	-105.1199
6400.0000	2400.0000	-52.5600
6400.0000	2600.0000	-13.6800
6400.0000	2800.0000	-9.1200
6400.0000	3000.0000	-18.2400
400.0000	3200.0000	-18.2400
6400.0000	3400.0000	-18.2400
6400.0000	3600.0000	-18.2400
6400.0000	3800.0000	-18.2400
6400.0000	4000.0000	-27.3600
6400.0000	4200.0000	-36.4800
6400.0000	4400.0000	-36.4800
6400.0000	4600.0000	-36.4800
6400.0000	4800.0000	-70.0800
6400.0000	4900.0000	-70.0800
00.0000	5000.0000	-70.0800
400.0000	5100.0000	-46.7200
6400.0000	5200.0000	-23.3600
6400.0000	5300.0000	-23.3600
6400.0000	5400.0000	-23.3600

6400.0000	5500.0000	-23.3600
6400.0000	5600.0000	-23.3600
6400.0000	5700.0000	-11.6800
6400.0000	5800.0000	-11.6800
6400.0000	5900.0000	-17.5200
6400.0000	6000.0000	-23.3600
6400.0000	6100.0000	-17.5200
6400.0000	6200.0000	-17.5200
6400.0000	6300.0000	-17.5200
6400.0000	6400.0000	-17.5200
6400.0000	6500.0000	-4.3800
6400.0000	6600.0000	-4.3800
6400.0000	6700.0000	-4.3800
6400.0000	6800.0000	-4.3800
6400.0000	6900.0000	-2.2800
6400.0000	7000.0000	-2.2800
6400.0000	7200.0000	-59.3999
6400.0000	7400.0000	-8.7600
6400.0000	7600.0000	-8.7600
6400.0000	7800.0000	-106.7999
6400.0000	8000.0000	-8.7600
6400.0000	8200.0000	-8.7600
6400.0000	8400.0000	-8.7600
6400.0000	8600.0000	-8.7600
6400.0000	8800.0000	-106.7999
6400.0000	9000.0000	-79.2000
6400.0000	9200.0000	-79.2000
6400.0000	9400.0000	0.0000
6400.0000	9600.0000	1621.0938
6400.0000	9800.0000	15283.2031
6400.0000	10000.0000	-106.7999
6400.0000	10200.0000	-106.7999
6400.0000	10400.0000	-12577.5029
6600.0000	0.0000	494.6057
6600.0000	200.0000	-140.1599
6600.0000	400.0000	-140.1599
6600.0000	600.0000	-140.1599
6600.0000	800.0000	-105.7235
6600.0000	1000.0000	1.6216
6600.0000	1200.0000	340.0101
6600.0000	1400.0000	-140.1599
6600.0000	1600.0000	-140.1599
6600.0000	1800.0000	-140.1599
6600.0000	2000.0000	-140.1599
6600.0000	2200.0000	-105.1199
6600.0000	2400.0000	-52.5600
6600.0000	2600.0000	-35.0400
6600.0000	2800.0000	-26.2800
6600.0000	3000.0000	-35.0400
6600.0000	3200.0000	-35.0400
6600.0000	3400.0000	-35.0400
6600.0000	3600.0000	-35.0400
6600.0000	3800.0000	-35.0400
6600.0000	4000.0000	-27.3600
6600.0000	4200.0000	-36.4800
6600.0000	4400.0000	-36.4800
6600.0000	4600.0000	-36.4800
6600.0000	4800.0000	-70.0800
6600.0000	4900.0000	-70.0800
6600.0000	5000.0000	-70.0800

00.0000	5100.0000	-46.7200
00.0000	5200.0000	-23.3600
6600.0000	5300.0000	-23.3600
00.0000	5400.0000	-23.3600
00.0000	5500.0000	-23.3600
0.0000	5600.0000	-23.3600
400.0000	5700.0000	-11.6800
00.0000	5800.0000	-11.6800
00.0000	5900.0000	-11.6800
6600.0000	6000.0000	-17.5200
00.0000	6100.0000	-17.5200
00.0000	6200.0000	-17.5200
6600.0000	6300.0000	-17.5200
00.0000	6400.0000	-17.5200
00.0000	6500.0000	-4.3800
6600.0000	6600.0000	-4.3800
6600.0000	6700.0000	-4.3800
00.0000	6800.0000	-4.3800
00.0000	6900.0000	-2.2800
6600.0000	7000.0000	-2.2800
00.0000	7200.0000	-3.4200
00.0000	7400.0000	-8.7600
6600.0000	7600.0000	-8.7600
600.0000	7800.0000	-106.7999
00.0000	8000.0000	-8.7600
600.0000	8200.0000	-8.7600
6600.0000	8400.0000	-8.7600
00.0000	8600.0000	-8.7600
00.0000	8800.0000	-79.2000
6600.0000	9000.0000	-79.2000
0.0000	9200.0000	-79.2000
00.0000	9400.0000	0.0000
6600.0000	9600.0000	8339.8438
6600.0000	9800.0000	0.0000
600.0000	10000.0000	-106.7999
600.0000	10200.0000	-106.7999
6600.0000	10400.0000	-1640.0031
800.0000	0.0000	533.6682
800.0000	200.0000	-140.1599
6800.0000	400.0000	-140.1599
800.0000	600.0000	-140.1599
800.0000	800.0000	-119.2989
800.0000	1000.0000	-4.4585
6800.0000	1200.0000	293.6757
800.0000	1400.0000	-72.9599
800.0000	1600.0000	-72.9599
6800.0000	1800.0000	-140.1599
6800.0000	2000.0000	-140.1599
800.0000	2200.0000	-105.1199
6800.0000	2400.0000	-52.5600
6800.0000	2600.0000	-35.0400
6800.0000	2800.0000	-35.0400
6800.0000	3000.0000	-52.5600
6800.0000	3200.0000	-35.0400
6800.0000	3400.0000	-35.0400
00.0000	3600.0000	-35.0400
800.0000	3800.0000	-35.0400
6800.0000	4000.0000	-52.5600
6800.0000	4200.0000	-36.4800
6800.0000	4400.0000	-70.0800

6800.0000	4600.0000	-70.0800
300.0000	4800.0000	-70.0800
300.0000	4900.0000	-70.0800
6800.0000	5000.0000	-70.0800
300.0000	5100.0000	-46.7200
0.0000	5200.0000	-23.3600
6800.0000	5300.0000	-23.3600
6800.0000	5400.0000	-23.3600
300.0000	5500.0000	-23.3600
300.0000	5600.0000	-23.3600
6800.0000	5700.0000	-11.6800
300.0000	5800.0000	-11.6800
300.0000	5900.0000	-11.6800
6800.0000	6000.0000	-11.6800
800.0000	6100.0000	-13.1400
300.0000	6200.0000	-17.5200
6800.0000	6300.0000	-17.5200
6800.0000	6400.0000	-17.5200
300.0000	6500.0000	-4.3800
300.0000	6600.0000	-4.3800
6800.0000	6700.0000	-4.3800
800.0000	6800.0000	-4.3800
300.0000	6900.0000	-4.3800
6800.0000	7000.0000	-4.3800
6800.0000	7200.0000	-6.5700
300.0000	7400.0000	-8.7600
800.0000	7600.0000	-8.7600
6800.0000	7800.0000	-8.7600
800.0000	8000.0000	-8.7600
00.0000	8200.0000	-8.7600
10.0000	8400.0000	-8.7600
00.0000	8600.0000	-8.7600
800.0000	8800.0000	-106.7999
6800.0000	9000.0000	0.0000
6800.0000	9200.0000	1953.1250
800.0000	9400.0000	3467.4189
800.0000	9600.0000	-106.7999
6800.0000	9800.0000	-106.7999
800.0000	10000.0000	-106.7999
800.0000	10200.0000	-106.7999
6800.0000	10400.0000	-10311.8779
7000.0000	0.0000	504.3713
000.0000	200.0000	-140.1599
7000.0000	400.0000	-140.1599
7000.0000	600.0000	-140.1599
000.0000	800.0000	8.4879
000.0000	1000.0000	94.7099
7000.0000	1200.0000	196.7611
000.0000	1400.0000	74.8972
000.0000	1600.0000	-140.1599
7000.0000	1800.0000	-140.1599
000.0000	2000.0000	49.4237
000.0000	2200.0000	-68.4297
7000.0000	2400.0000	-52.5600
7000.0000	2600.0000	-35.0400
00.0000	2800.0000	-35.0400
000.0000	3000.0000	-70.0800
7000.0000	3200.0000	-52.5600
000.0000	3400.0000	-35.0400
000.0000	3600.0000	-35.0400

8200.0000	8800.0000	-8.7600
8200.0000	9000.0000	-106.7999
8200.0000	9200.0000	-106.7999
8200.0000	9400.0000	-106.7999
8200.0000	9600.0000	-106.7999
8200.0000	9800.0000	-106.7999
8200.0000	10000.0000	-106.7999
8200.0000	10200.0000	-106.7999
8200.0000	10400.0000	-3436.8779
8400.0000	0.0000	45.3870
8400.0000	200.0000	182.1057
8400.0000	400.0000	211.4026
8400.0000	600.0000	250.4651
8400.0000	800.0000	279.7620
8400.0000	1000.0000	318.8245
8400.0000	1200.0000	318.8245
8400.0000	1400.0000	494.6057
8400.0000	1600.0000	514.1370
8400.0000	1800.0000	406.7151
8400.0000	2000.0000	152.8089
8400.0000	2200.0000	119.4895
8400.0000	2400.0000	181.8150
8400.0000	2600.0000	121.2100
8400.0000	2800.0000	209.1006
8400.0000	3000.0000	111.4444
8400.0000	3200.0000	199.3350
8400.0000	3400.0000	91.9131
8400.0000	3600.0000	179.8038
8400.0000	3800.0000	177.0725
8400.0000	4000.0000	148.4213
8400.0000	4200.0000	285.7856
8400.0000	4400.0000	305.3169
8400.0000	4600.0000	357.5963
8400.0000	4800.0000	82.1475
8400.0000	4900.0000	257.9288
8400.0000	5000.0000	150.5069
8400.0000	5100.0000	330.1169
8400.0000	5200.0000	168.9841
8400.0000	5300.0000	178.7497
8400.0000	5400.0000	126.1549
8400.0000	5500.0000	140.8033
8400.0000	5600.0000	121.2721
8400.0000	5700.0000	96.8580
8400.0000	5800.0000	-0.7982
8400.0000	5900.0000	106.6236
8400.0000	6000.0000	204.2799
8400.0000	6100.0000	259.4110
8400.0000	6200.0000	-135.7131
8400.0000	6300.0000	772.4900
8400.0000	6400.0000	147.4900
8400.0000	6500.0000	-2.1900
8400.0000	6600.0000	-2.1900
8400.0000	6700.0000	-265.8619
8400.0000	6800.0000	-2.1900
8400.0000	6900.0000	-1946.6444
8400.0000	7000.0000	1669.9219
8400.0000	7200.0000	5810.5469
8400.0000	7400.0000	-527.3438
8400.0000	7600.0000	224.6094
8400.0000	7800.0000	0.0000

8400.0000	8000.0000	49.8338
400.0000	8200.0000	762.7244
8400.0000	8400.0000	-975.5569
8400.0000	8600.0000	-2274.3850
400.0000	8800.0000	674.8337
00.0000	9000.0000	29.9189
8400.0000	9200.0000	-380.2374
400.0000	9400.0000	-263.0499
400.0000	9600.0000	-116.5655
8400.0000	9800.0000	-1141.9562
8400.0000	10000.0000	-2489.6123
400.0000	10200.0000	-3143.9092
400.0000	10400.0000	-4247.4248

APPENDIX I.

Printout for Steady-State High Permeability/Recharge Conditions

This printout gives the water-balance information and the category printout of the water-level elevations for the calibrated steady-state situation except using the high permeability and recharge rates as input.

```
This is a RESTART simulation from filename BALSTAR1.PLA
 ITER =  1  ER =  247.4282  TIME =  1343.797
 ITER =  2  ER =  98.37964  TIME =  1343.797
 ITER =  3  ER =  62.83948  TIME =  1343.797
 ITER =  4  ER =  45.48071  TIME =  1343.797
 ITER =  5  ER =  37.90906  TIME =  1343.797
 ITER =  6  ER =  30.39197  TIME =  1343.797
Flow from storage = 534.2634    Flow into storage = 1937.534
Flow in from leakance = 1367803    Flow out via leakance 1943556
Flow in from withdrawal = 541709.8    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 1910025    Total Flow OUT = 1945493
Percent of unaccounted water =  1.823067
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  40.55823  TIME =  2956.353
 ITER =  2  ER =  30.79883  TIME =  2956.353
Flow from storage = 84.50935    Flow into storage = 204.6281
Flow in from leakance = 1371450    Flow out via leakance 1940419
Flow in from withdrawal = 541709.8    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 1913214    Total Flow OUT = 1940605
Percent of unaccounted water =  1.41148
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  27.65027  TIME =  4891.421
Flow from storage = 30.55221    Flow into storage = 63.69194
Flow in from leakance = 1372637    Flow out via leakance 1938550
Flow in from withdrawal = 541709.8    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 1914353    Total Flow OUT = 1938584
Percent of unaccounted water =  1.249959
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  22.8772  TIME =  7213.502
Flow from storage = 22.31502    Flow into storage = 42.93425
Flow in from leakance = 1375381    Flow out via leakance 1938520
Flow in from withdrawal = 541709.8    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 1917090    Total Flow OUT = 1938531
Percent of unaccounted water =  1.106063
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  21.0332  TIME =  10000
Flow from storage = 16.5923    Flow into storage = 33.67998
Flow in from leakance = 1375532    Flow out via leakance 1937286
Flow in from withdrawal = 541709.8    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 1917235    Total Flow OUT = 1937290
Percent of unaccounted water =  1.035241
```

This is a water balance for Wetland Area Number 1
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 2590.136 GPD
  Flow INTO aquifer from net Withdrawal terms is 2996.008 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 405.8718 GPD

This is a water balance for Wetland Area Number 2
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 2614.371 GPD
  Flow INTO aquifer from net Withdrawal terms is 2715.342 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 100.9712 GPD

This is a water balance for Wetland Area Number 3
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 374.4897 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 374.4897 GPD

This is a water balance for Wetland Area Number 4
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 871.4052 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 871.4052 GPD

This is a water balance for Wetland Area Number 5
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 2732.923 GPD
  Flow INTO aquifer from net Withdrawal terms is 3626.637 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 893.7139 GPD

This is a water balance for Wetland Area Number 6
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 229.4973 GPD
  Flow INTO aquifer from net Withdrawal terms is 959.0393 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 729.542 GPD

This is a water balance for Wetland Area Number 7
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 557.6396 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 557.6396 GPD

This is a water balance for Wetland Area Number 8
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 16.66784 GPD
  Flow INTO aquifer from net Withdrawal terms is 544.9496 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 528.2817 GPD

This is a water balance for Wetland Area Number 9
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 4839.335 GPD
  Flow INTO aquifer from net Withdrawal terms is 11104.56 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 6265.223 GPD

This is a water balance for Wetland Area Number 10
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 8944.349 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 8944.349 GPD

This is a water balance for Lower third of Meadowbrook Creek
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 16223.14 GPD
  Flow INTO aquifer from net Withdrawal terms is 1481.038 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = -14742.11 GPD

This is a water balance for Middle third of Meadowbrook Creek
  Flow INTO aquifer from Leakance terms is 34.17969 GPD
  Flow OUT of aquifer from Leakance terms is 21628.42 GPD
  Flow INTO aquifer from net Withdrawal terms is 4751.473 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = -16842.77 GPD

This is a water balance for Upper third of Meadowbrook Creek
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 5219.727 GPD
  Flow INTO aquifer from net Withdrawal terms is 1821.598 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = -3398.129 GPD

This is a water balance for Flambeau River DOWNSTREAM of mine area
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 25152.39 GPD
  Flow INTO aquifer from net Withdrawal terms is 2566.458 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = -22585.93 GPD

This is a water balance for Flambeau River ADJACENT to mine area
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 134905.7 GPD
  Flow INTO aquifer from net Withdrawal terms is 1546.389 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = -133359.3 GPD

This is a water balance for Flambeau River UPSTREAM of mine area
  Flow INTO aquifer from Leakance terms is 11132.81 GPD
  Flow OUT of aquifer from Leakance terms is 1443917 GPD
  Flow INTO aquifer from net Withdrawal terms is 7467.763 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = -1425317 GPD

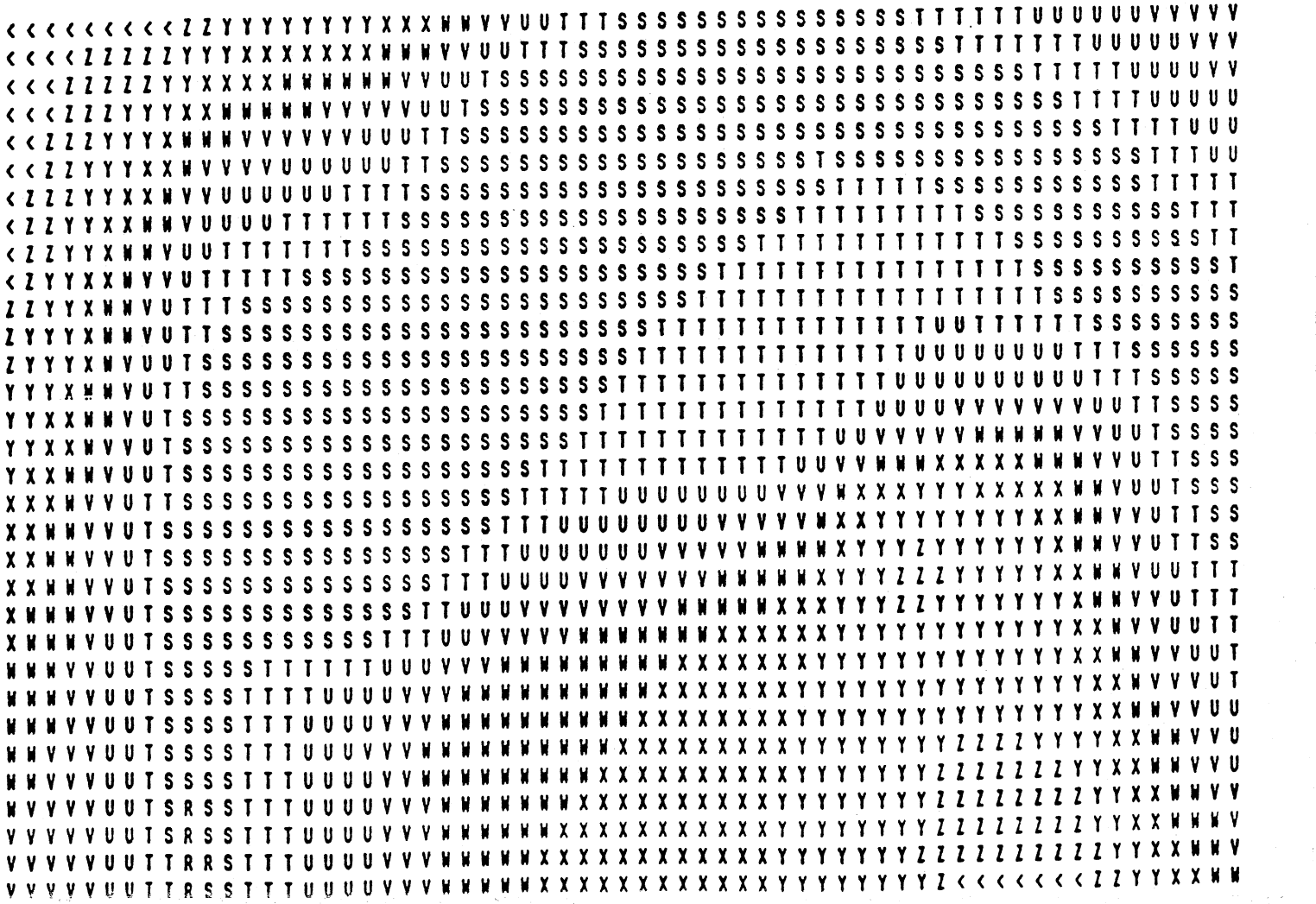
Flow INTO aquifer from Leakance terms is 329089.4 GPD
Flow OUT of aquifer from Leakance terms is 71582.03 GPD
Flow INTO aquifer from net Withdrawal terms is 10534.25 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 268041.6 GPD

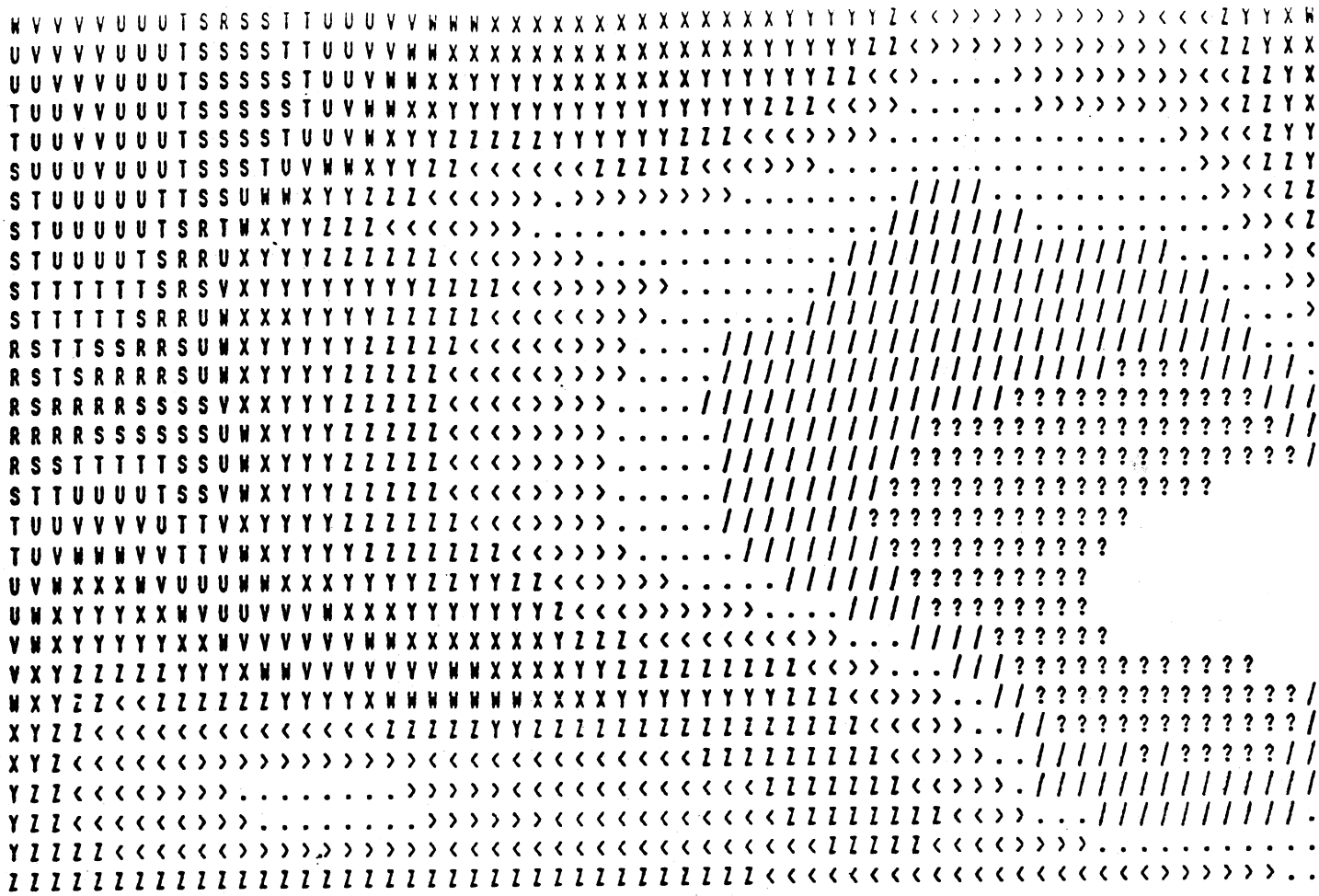
This is a water balance for LAST Column flow
Flow INTO aquifer from Leakance terms is 19174.8 GPD
Flow OUT of aquifer from Leakance terms is 31857.91 GPD
Flow INTO aquifer from net Withdrawal terms is 6021.182 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -6661.923 GPD

This is a water balance for FIRST Row flow
Flow INTO aquifer from Leakance terms is 1016067 GPD
Flow OUT of aquifer from Leakance terms is 53481.45 GPD
Flow INTO aquifer from net Withdrawal terms is 4557.957 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 967143.5 GPD

This is a water balance for LAST Row flow
Flow INTO aquifer from Leakance terms is 34.17969 GPD
Flow OUT of aquifer from Leakance terms is 28796.39 GPD
Flow INTO aquifer from net Withdrawal terms is 9697.676 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -19064.53 GPD

CATEGORY PRINTOUT





APPENDIX J.

Printouts for Steady-State Condition Low Permeability/Recharge

This printout includes the water-balances and water-level elevation category printout for the calibration steady-state run but using the low permeability and low recharge rate input.

```
This is a RESTART simulation from filename BALSTAR1.PLA
 ITER =  1  ER =  295.3531  TIME =  1343.797
 ITER =  2  ER =  77.3844  TIME =  1343.797
 ITER =  3  ER =  39.50317  TIME =  1343.797
Flow from storage = 1733.749    Flow into storage = 208.7877
Flow in from leakance = 526672.4    Flow out via leakance 719789.1
Flow in from withdrawal = 180568.1    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 708970.9    Total Flow OUT = 719997.9
Percent of unaccounted water =  1.531524
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  53.33313  TIME =  2956.353
 ITER =  2  ER =  31.05164  TIME =  2956.353
Flow from storage = 291.7446    Flow into storage = 41.7973
Flow in from leakance = 526933.6    Flow out via leakance 713733.4
Flow in from withdrawal = 180568.1    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 707791.3    Total Flow OUT = 713773.7
Percent of unaccounted water =  .838142
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  30.75659  TIME =  4891.421
Flow from storage = 86.46655    Flow into storage = 16.02096
Flow in from leakance = 526804.1    Flow out via leakance 712868.1
Flow in from withdrawal = 180568.1    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 707440.5    Total Flow OUT = 712884.7
Percent of unaccounted water =  .7636842
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  24.14197  TIME =  7213.502
Flow from storage = 54.40517    Flow into storage = 11.27596
Flow in from leakance = 526646.7    Flow out via leakance 712082.7
Flow in from withdrawal = 180568.1    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 707251.1    Total Flow OUT = 712088.3
Percent of unaccounted water =  .6793048
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  21.40137  TIME =  10000
Flow from storage = 39.17673    Flow into storage = 8.775436
Flow in from leakance = 526324.3    Flow out via leakance 712525.2
Flow in from withdrawal = 180568.1    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 706914.6    Total Flow OUT = 712526.8
Percent of unaccounted water =  .7876546
WB = 100*(1 - ABS(TOTIN/TOTOUT))
```

This is a water balance for Wetland Area Number 1
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 1619.022 GPD
  Flow INTO aquifer from net Withdrawal terms is 998.6693 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = -620.3524 GPD

This is a water balance for Wetland Area Number 2
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 1328.287 GPD
  Flow INTO aquifer from net Withdrawal terms is 905.1141 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = -423.1732 GPD

This is a water balance for Wetland Area Number 3
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 124.8299 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 124.8299 GPD

This is a water balance for Wetland Area Number 4
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 290.4684 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 290.4684 GPD

This is a water balance for Wetland Area Number 5
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 941.7332 GPD
  Flow INTO aquifer from net Withdrawal terms is 1208.879 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 267.1461 GPD

This is a water balance for Wetland Area Number 6
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 42.32479 GPD
  Flow INTO aquifer from net Withdrawal terms is 319.6798 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 277.355 GPD

This is a water balance for Wetland Area Number 7
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 185.8799 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 185.8799 GPD

This is a water balance for Wetland Area Number 8
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 181.6499 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 181.6499 GPD

Flow OUT of aquifer from Leakance terms is 1027.84 GPD
Flow INTO aquifer from net Withdrawal terms is 3701.521 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 2073.682 GPD

This is a water balance for Wetland Area Number 10
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 2981.449 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 2981.449 GPD

This is a water balance for Lower third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 5039.063 GPD
Flow INTO aquifer from net Withdrawal terms is 493.6795 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -4545.383 GPD

This is a water balance for Middle third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 102.5391 GPD
Flow OUT of aquifer from Leakance terms is 6857.91 GPD
Flow INTO aquifer from net Withdrawal terms is 1583.824 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -5171.547 GPD

This is a water balance for Upper third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 68.35938 GPD
Flow OUT of aquifer from Leakance terms is 1650.391 GPD
Flow INTO aquifer from net Withdrawal terms is 607.1993 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -974.8319 GPD

This is a water balance for Flambeau River DOWNSTREAM of mine area
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 7506.885 GPD
Flow INTO aquifer from net Withdrawal terms is 855.486 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -6651.399 GPD

This is a water balance for Flambeau River ADJACENT to mine area
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 42343.94 GPD
Flow INTO aquifer from net Withdrawal terms is 515.4629 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -41828.48 GPD

This is a water balance for Flambeau River UPSTREAM of mine area
Flow INTO aquifer from Leakance terms is 10122.07 GPD
Flow OUT of aquifer from Leakance terms is 527199.6 GPD
Flow INTO aquifer from net Withdrawal terms is 2489.254 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -514588.3 GPD

This is a water balance for FIRST Column flow
Flow INTO aquifer from Leakance terms is 113718.3 GPD

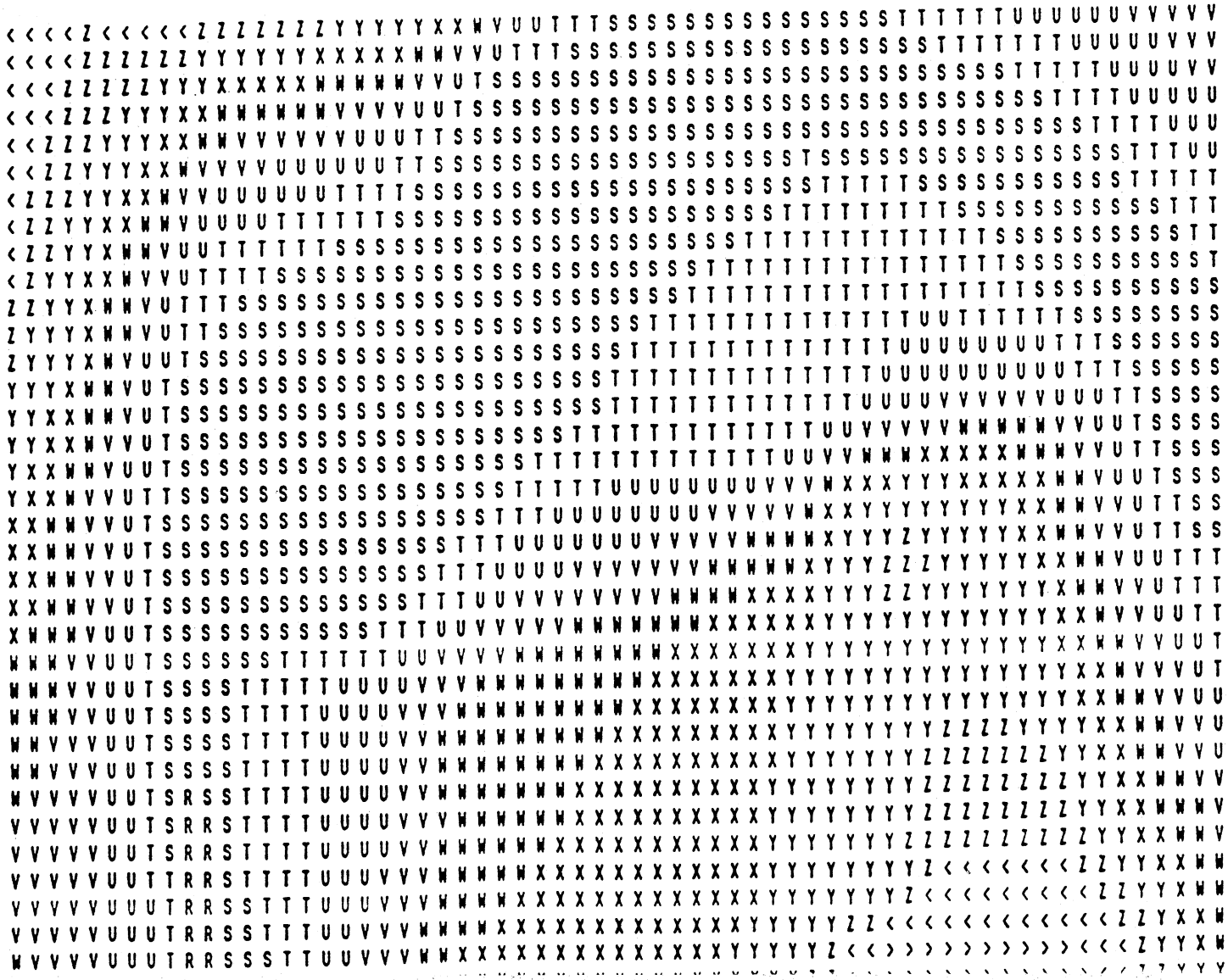
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 91775.58 GPD

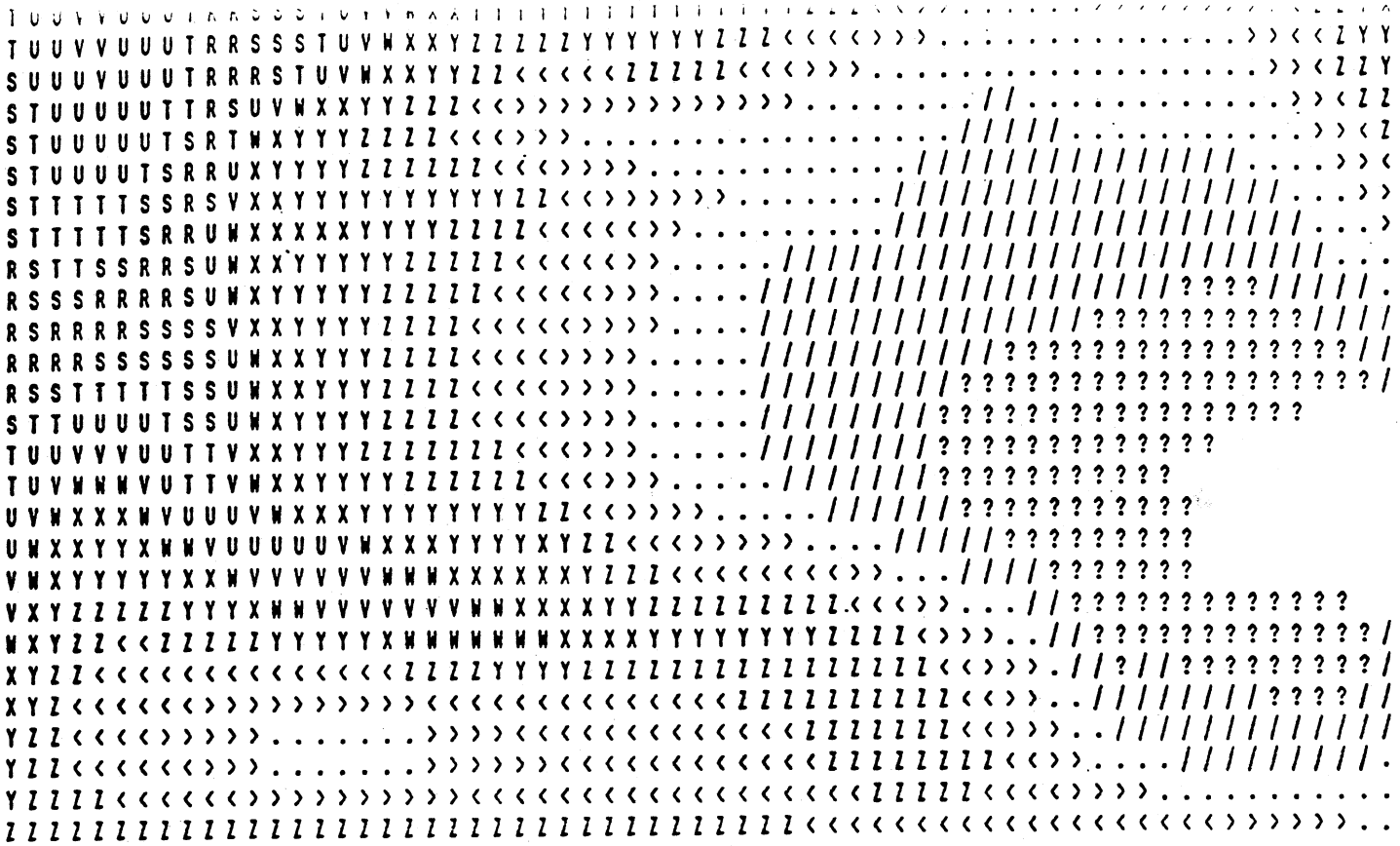
This is a water balance for LAST Column flow
Flow INTO aquifer from Leakance terms is 6621.094 GPD
Flow OUT of aquifer from Leakance terms is 10764.16 GPD
Flow INTO aquifer from net Withdrawal terms is 2007.061 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -2136.005 GPD

This is a water balance for FIRST Row flow
Flow INTO aquifer from Leakance terms is 395677.4 GPD
Flow OUT of aquifer from Leakance terms is 28857.42 GPD
Flow INTO aquifer from net Withdrawal terms is 1519.318 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 368339.3 GPD

This is a water balance for LAST Row flow
Flow INTO aquifer from Leakance terms is 14.64844 GPD
Flow OUT of aquifer from Leakance terms is 9655.762 GPD
Flow INTO aquifer from net Withdrawal terms is 3232.555 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -6408.558 GPD

CATEGORY PRINTOUT





APPENDIX K.

Starting PLASM Input Data File for Mining/Reclamation Plan

This file is the same as the calibration data Appendix B except that the mining plan and first year of the reclamation plan has been attached. These extra data include node and pit bottom elevations in the proper time sequence for the mining excavations. Computer counters such as mine nodes, time steps, and output file names are different than the Appendix B data.

STARTING FILE FOR MINE PLAN

```
name:MINEDATA.PLA, EXTERNAL FILE FOR PLASM PROGRAM
U
N
Y
 .5
Y
S
S
DON
 80  14.0608  5  7.48052
 63  64  0  10  0  41  8
 28  .2  888  0  0  1000.1  0  1
 1     6643.943  6672.688  14961.04  1129.912 -46.71995  80000  1130  1129  989.1425  984.1425  45.40001  45.40001  19
 1  2  6686.025  6729.484  14961.04  1129.385 -46.71995  80000  1129.5  1128.5  987.3439  982.3439  45.4  45.4  17
 1  3  6743.797  6823.325  14961.04  1128.502 -46.71995  80000  1128.5  1127.5  985.2124  980.2124  45.40001  45.40001  17
 1     6852.948  6924.494  14961.04  1128.654 -46.71995  80000  1128.9  1127.9  982.4565  977.4565  45.4  45.4  17
 1  5  6939.784  6958.368  14961.04  1127.705 -46.71995  80000  1127.8  1126.8  979.9684  974.9684  45.41045  45.41045  17
 1  6  6939.848  6941.658  14961.04  1127.248 -46.71995  80000  1127.4  1126.4  979.707  974.707  45.44809  45.44809  17
 1     6855.51  6547.207  14961.04  1126.844 -24.31997  80000  1127  1126  979.9134  974.9134  45.43138  45.43138  17
 1  8  6238.523  5672.806  14961.04  1126.659 -24.31997  80000  1126.9  1125.9  982.3425  977.3425  41.14233  41.14233  17
 1  9  5391.707  5039.321  14961.04  1125.85 -24.31997  80000  1126  1125  985.5817  980.5817  35.46829  35.46829  17
 1  10  4972.146  4801.984  14961.04  1125.32 -24.31997  80000  1125.5  1124.5  990.197  985.197  34.78809  34.78809  17
 1  11  4674.884  4598.87  14961.04  1124.753 -24.31997  80000  1125  1124  995.0048  990.0048  34.7  34.7  17
 1  12  4437.301  4368.722  14961.04  1123.208 -24.31997  80000  1123.4  1122.4  999.492  994.492  34.7  34.7  17
 1  13  4177.704  4121.69  14961.04  1121.425 -24.31997  80000  1121.6  1120.6  1005.002  1000.002  34.7  34.7  17
 1  14  3963.909  3913.595  14961.04  1119.911 -46.71995  80000  1120  1119  1010.5  1005.5  34.7  34.7  17
 1  15  3774.798  3657.541  14961.04  1118.871 -46.71995  80000  1119  1118  1014.5  1009.5  34.7  34.7  17
 1  16  3409.587  3066.78  14961.04  1117.329 -18.23998  80000  1117.4  1116.4  1022.75  1017.75  34.7  34.7  17
 1  17  2678.641  2579.31  14961.04  1115.955 -9.119992  80000  1116  1115  1030  1025  28.7  28.7  17
 1  18  1858.954  4893.479  11220.78  1115.014 -6.079994  60000  1115.1  1114.1  1033.667  1028.667  28.7  28.7  17
 1  19  1175.408  4642.322  7480.52  1114.327 -6.079994  40000  1114.4  1113.4  1037.667  1032.667  28.7  28.7  17
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 1  25  655.2356  2317.835  7480.52  1108.624 -6.079994  40000  1108.6  1107.6  1060.2  1055.2  24.4  24.4  17
 1  26  511.166  1910.51  7480.52  1107.884 -6.079994  40000  1107.9  1106.9  1074.8  1069.8  24.4  24.4  17
 1  27  457.3993  1570.971  7480.52  1106.9 -6.079994  40000  1106.9  1105.9  1075.3  1070.3  24.4  24.4  17
 1  28  349.5053  1124.314  7480.52  1105.909 -6.079994  40000  1105.9  1104.9  1076.1  1071.1  16.93333  16.93333  17
 1  29  274.4736  941.8824  7480.52  1105.003 -11.67999  40000  1105  1104  1076.2  1071.2  13.2  13.2  17
 1  30  241.5964  888.6383  7480.52  1104.099 -11.67999  40000  1104.1  1103.1  1078.3  1073.3  13.2  13.2  17
 1  31  222.3071  885.4764  7480.52  1103.101 -11.67999  40000  1103.1  1103.1  1078.367  1073.367  13.2  13.2  17
 1  32  223.5528  881.9091  7480.52  1102.106 -11.67999  40000  1102.1  1101.1  1078.5  1073.5  14.1  14.1  17
 1  33  220.2799  854.7272  7480.52  1101.213 -142.3998  40000  1101.2  1100.2  1078.633  1073.633  14.1  14.1  17
 1  34  218.3461  962.988  7480.52  1100.441 -142.3998  40000  1100.2  1099.2  1078.767  1073.767  14.1  14.1  17
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 1  39  194.2023  698.441  7480.52  1092.287 -273.242  40000  1092.3  1091.3  1075.5  1070.5  14.1  14.1  17
 1  40  290.3337  343.28  11220.78  1089.859 -409.863  60000  1089.8  1088.8  1073.35  1068.35  14.1  14.1  17
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 1  42  303.1718  246.824  14961.04  1087.929 -546.484  80000  1087.9  1086.9  1073.799  1068.799  12.09455  12.09455  17
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 1  45  194.5619  154.4105  14961.04  1085.12 -427.1994  80000  1085.1  1084.1  1077.104  1072.104  10.09853  10.09853  17
 1  46  150.9807  112.9311  14961.04  1084.815 -427.1994  80000  1084.8  1083.8  1081.201  1076.201  10.15127  10.15127  17
 1  47  107.1655  80.20386  29922.08  1084.611 -427.1994  80000  1084.6  1083.6  1084.981  1079.981  10.11301  10.11301  17
 1  48  66.83562  61.8308  29922.08  1084.302  0  80000  1084.3  1083.3  1087.257  1082.257  10.13032  10.13032  17
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1	49	53.38922	53.39117	29922.08	1084.2	0	80000	1084.2	1083.2	1087.902	1082.902	7.290484	7.290484	17
1	50	53.93261	50.07854	29922.08	1084.206	-35.03998	80000	1084.2	1083.2	1087.174	1082.174	1.896352	1.896352	17
1	51	50.33675	50.54188	14961.04	1088.602	-52.55998	80000	1088.6	1088.6	1087.837	1082.837	.49474	.49474	17
1	52	52.40349	51.22572	14961.04	1091.502	-54.71994	80000	1091.5	1090.5	1089.1	1084.1	.591	.591	17
1	53	52.82896	51.59249	14961.04	1092.508	-72.9599	80000	1092.5	1091.5	1088.884	1083.884	.463827	.463827	17
1	54	54.13001	52.32339	14961.04	1097.004	-72.9599	80000	1097	1096	1089.846	1084.846	.407288	.407288	17
1	55	55.19681	54.14581	14961.04	1099.006	-140.1599	80000	1099	1099	1092.1	1087.1	.402	.402	17
1	56	58.67435	57.99518	14961.04	1100.011	-140.1599	80000	1100	1099	1089.588	1084.588	.560917	.560917	17
1	57	63.23604	61.06852	14961.04	1104.007	-140.1599	80000	1104	1103	1088.444	1083.444	.644488	.644488	17
1	58	66.00365	63.12606	14961.04	1107.009	-140.1599	80000	1107	1106	1088.6	1083.6	.641	.641	17
1	59	68.21024	65.10918	14961.04	1110.307	-140.1599	80000	1110.3	1109.3	1088.629	1083.629	.649564	.649564	17
1	60	69.59619	66.50743	14961.04	1113.006	-140.1599	80000	1113	1112	1088.666	1083.666	.646114	.646114	17
1	61	71.14493	70.59671	14961.04	1115.007	-140.1599	80000	1115	1114	1088.6	1083.6	.641	.641	17
1	62	76.3273	76.5576	14961.04	1117.106	-140.1599	80000	1117.1	1116.1	1090.357	1085.357	.84351	.84351	17
1	63	79.80409	79.14258	14961.04	1119.701	-140.1599	80000	1119.7	1118.7	1091.217	1086.217	.940858	.940858	17
1	64	79.51315	79.27564	14961.04	1120.002	-140.1599	80000	1120	1119	1091.2	1086.2	.94	.94	20
2	1	6640.348	6657.28	14961.04	1129.38	-46.71995	80000	1129.5	1128.5	988.6115	983.6115	45.4	45.4	19
2	2	6658.986	6700.338	14961.04	1128.363	-46.71995	429.3803	1127.003	1127.003	986.9955	981.9955	45.4	45.4	0
2	3	6708.857	6773.421	14961.04	1127.49	-46.71995	429.3803	1126.444	1126.444	984.8068	979.8068	45.4	45.4	0
2	4	6786.028	6868.238	14961.04	1126.886	-46.71995	429.3803	1125.446	1125.446	982.2772	977.2772	45.4	45.4	0
2	5	6860.382	6921.264	14961.04	1126.106	-46.71995	429.3803	1124.864	1124.864	980.1536	975.1536	45.67958	45.67958	0
2	6	6850.653	6853.699	14961.04	1125.433	-46.71995	429.3803	1125.554	1125.554	979.4228	974.4228	45.68474	45.68474	0
2	7	6747.817	6546.826	14961.04	1124.781	-24.31997	429.3803	1126.571	1126.571	979.8987	974.8987	45.10451	45.10451	0
2	8	6391.821	5957.425	14961.04	1124.112	-24.31997	429.3803	1126.841	1126.841	981.971	976.971	42.71126	42.71126	0
2	9	5846.583	5324.531	14961.04	1123.258	-24.31997	429.3803	1126.482	1126.482	985.3393	980.3393	39.04615	39.04615	0
2	10	5149.023	4845.045	14961.04	1122.437	-24.31997	429.3803	1126.618	1126.618	990.1589	985.1589	36.5469	36.5469	0
2	11	4582.068	4513.315	14961.04	1121.455	-24.31997	429.3803	1128.612	1128.612	994.7383	989.7383	35.07124	35.07124	0
2	12	4340.557	4246.283	14961.04	1119.896	-24.31997	429.3803	1132.622	1132.622	999.488	994.488	34.7	34.7	0
2	13	21337.37	4019.922	14961.04	1117.685	-24.31997	429.3803	1134.755	1134.755	1005.012	1000.012	34.7	34.7	0
2	14	3901.217	3825.112	14961.04	1117.559	-46.71995	429.3803	1136.015	1136.015	1010.263	1005.263	34.7	34.7	0
2	15	3691.127	3526.843	14961.04	1116.541	-46.71995	429.3803	1136.537	1136.537	1015.158	1010.158	34.7	34.7	0
2	16	3336.659	3021.447	14961.04	1115.241	-13.67998	429.3803	1135.874	1135.874	1022.448	1017.448	33.72021	33.72021	0
2	17	2707.768	2577.937	14961.04	1113.928	-6.079994	429.3803	1133.598	1133.598	1030.226	1025.226	30.18555	30.18555	0
2	18	1831.608	4765.364	11220.78	1112.727	-6.079994	322.0352	1132.147	1132.147	1033.818	1028.818	28.7	28.7	0
2	19	1150.726	4526.354	7480.52	1112.088	-6.079994	214.6902	1131.878	1131.878	1037.454	1032.454	28.7	28.7	0
2	20	1084.158	4282.184	7480.52	1111.42	-6.079994	214.6902	1131.988	1131.988	1040.891	1035.891	28.7	28.7	0
2	21	1024.193	3958.94	7480.52	1110.725	-6.079994	214.6902	1133.069	1133.069	1043.977	1038.977	28.43242	28.43242	0
2	22	935.663	3556.572	7480.52	1109.988	-6.079994	214.6902	1131.947	1131.947	1047.68	1042.68	27.38192	27.38192	0
2	23	825.8996	3159.793	7480.52	1109.228	-6.079994	214.6902	1128.391	1128.391	1051.418	1046.418	26.04732	26.04732	0
2	24	735.8695	2761.021	7480.52	1108.472	-6.079994	214.6902	1125.381	1125.381	1055.055	1050.055	24.73066	24.73066	0
2	25	640.8209	2347.772	7480.52	1107.704	-6.079994	214.6902	1121.817	1121.817	1062.088	1057.088	24.4	24.4	0
2	26	531.9983	1963.751	7480.52	1106.957	-6.079994	214.6902	1120.503	1120.503	1069.054	1064.054	23.9729	23.9729	0
2	27	458.0237	1656.647	7480.52	1106.194	-6.079994	214.6902	1120.186	1120.186	1073.787	1068.787	22.68418	22.68418	0
2	28	407.3689	1371.602	7480.52	1105.433	-6.079994	214.6902	1120.053	1120.053	1075.548	1070.548	20.6398	20.6398	0
2	29	334.2415	1122.398	7480.52	1104.704	-11.67999	214.6902	1119.968	1119.968	1076.533	1071.533	16.9704	16.9704	0
2	30	266.5395	966.976	7480.52	1103.984	-11.67999	214.6902	1120.162	1120.162	1077.255	1072.255	14.82779	14.82779	0
2	31	232.716	897.9633	7480.52	1103.286	-11.67999	214.6902	1120.708	1120.708	1077.819	1072.819	13.36649	13.36649	0
2	32	226.0724	893.4218	7480.52	1102.683	-11.67999	214.6902	1120.744	1120.744	1078.074	1073.074	13.5528	13.5528	0
2	33	223.9014	899.777	7480.52	1102.282	-142.3998	214.6902	1120.708	1120.708	1078.215	1073.215	13.85096	13.85096	0
2	34	227.0399	922.7681	7480.52	1102.048	-142.3998	214.6902	1121.187	1121.187	1078.139	1073.139	14.1	14.1	0
2	35	234.5968	927.7954	7480.52	1102.122	-142.3998	214.6902	1122.238	1122.238	1076.919	1071.919	14.1	14.1	0
2	36	235.8693	905.3284	7480.52	1100.264	-142.3998	214.6902	1123.933	1123.933	1075.966	1070.966	14.1	14.1	0
2	37	233.0371	882.1569	7480.52	1098.823	-142.3998	214.6902	1124.466	1124.466	1075.188	1070.188	14.1	14.1	0
2	38	227.2824	859.649	7480.52	1097.599	-273.242	214.6902	1123.527	1123.527	1074.929	1069.929	14.1	14.1	0
2	39	222.9332	852.5914	7480.52	1096.646	-273.242	214.6902	1121.413	1121.413	1074.599	1069.599	14.1	14.1	0
2	40	338.3373	411.3268	11220.78	1095.698	-409.863	322.0352	1118.123	1118.123	1073.418	1068.418	14.05432	14.05432	0
2	41	417.49	363.2973	14961.04	1094.474	-546.484	429.3803	1116.045	1116.045	1073.197	1068.197	13.38555	13.38555	0
2	42	337.0775	305.3071	14961.04	1093.417	-546.484	429.3803	1111.696	1111.696	1073.766	1068.766	11.65391	11.65391	0
2	43	293.7108	262.7289	14961.04	1092.336	-475.1994	429.3803	1103.944	1103.944	1074.569	1069.569	10.34244	10.34244	0
2	44	259.9334	229.5596	14961.04	1091.169	-316.7996	429.3803	1097.582	1097.582	1076.145	1071.145	10.0693	10.0693	0

2	45	219.4662	191.1321	14961.04	1090.337	-427.1994	429.3803	1095.077	1095.077	1078.676	1073.676	10.1	10.1	0	
2	46	171.8948	145.2151	14961.04	1089.734	-427.1994	429.3803	1095.007	1095.007	1082.539	1077.539	10.12195	10.12195	0	
2	47	117.3693	93.79721	14961.04	1088.742	-427.1994	429.3803	1093.376	1093.376	1086.34	1081.34	10.10999	10.10999	0	
2	48	56.6936	58.39404	29922.08	1085.792	0	429.3803	1089.717	1089.717	1088.635	1083.635	8.955186	8.955186	0	
2	49	48.79401	53.93066	29922.08	1084.203	0	80000	1084.2	1083.2	1088.611	1083.611	5.98616	5.98616	14	
2	50	57.7528	54.19081	29922.08	1087.67	-35.03998	429.3803	1097.297	1097.297	1087.931	1082.931	2.224086	2.224086	0	
2	51	51.15099	52.19836	14961.04	1091.975	-52.55998	429.3803	1108.822	1108.822	1087.975	1082.975	.466761	.466761	0	
2	52	53.7579	54.00673	14961.04	1096.065	-54.71994	429.3803	1118.982	1118.982	1088.917	1083.917	.522614	.522614	0	
2	53	56.09233	55.36649	14961.04	1099.575	-72.9599	429.3803	1124.462	1124.462	1089.413	1084.413	.495692	.495692	0	
2	54	58.58009	57.00342	14961.04	1103.4	-72.9599	429.3803	1125.958	1125.958	1089.939	1084.939	.479565	.479565	0	
2	55	60.73994	59.72535	14961.04	1106.662	-140.1599	429.3803	1127.635	1127.635	1090.242	1085.242	.495574	.495574	0	
2	56	63.78864	63.91521	14961.04	1109.164	-140.1599	429.3803	1129.845	1129.845	1089.233	1084.233	.579435	.579435	0	
2	57	68.70616	68.17117	14961.04	1112.063	-140.1599	429.3803	1132.745	1132.745	1088.411	1083.411	.676377	.676377	0	
2	58	73.98055	71.08783	14961.04	1114.711	-140.1599	429.3803	1136.004	1136.004	1088.615	1083.615	.742453	.742453	0	
2	59	76.02667	72.69724	14961.04	1117.1	-140.1599	429.3803	1139.059	1139.059	1089.187	1084.187	.7611	.7611	0	
2	60	76.92961	74.2337	14961.04	1119.019	-140.1599	429.3803	1141.196	1141.196	1089.518	1084.518	.75697	.75697	0	
2	61	78.4266	76.87553	14961.04	1120.363	-140.1599	429.3803	1142.768	1142.768	1089.845	1084.845	.787906	.787906	0	
2	62	80.40881	79.57379	14961.04	1121.189	-140.1599	429.3803	1143.728	1143.728	1090.597	1085.597	.875875	.875875	0	
2	63	81.28964	80.17467	14961.04	1121.438	-140.1599	429.3803	1143.874	1143.874	1091.192	1086.192	.939074	.939074	0	
2	64	79.84666	79.75067	14961.04	1120.203	-140.1599	80000	1120.2	1119.2	1091.184	1086.184	.948055	.948055	20	
3	1	6642.427	6642.054	14961.04	1128.42	-46.71995	80000	1128.5	1127.5	987.8026	982.8026	45.4	45.4	19	
3	2	6642.83	6667.505	14961.04	1127.278	-46.71995	429.3803	1125.385	1125.385	986.4237	981.4237	45.4	45.4	0	
3	3	6674.295	6721.465	14961.04	1126.271	-46.71995	429.3803	1125.15	1125.15	984.5168	979.5168	45.4	45.4	0	
3	4	6728.971	6778.172	14961.04	1125.37	-24.31997	429.3803	1124.843	1124.843	982.1196	977.1196	45.4	45.4	0	
3	5	6758.66	6789.771	14961.04	1124.457	-24.31997	429.3803	1124.653	1124.653	980.1852	975.1852	45.40001	45.40001	0	
3	6	6705.983	6744.771	14961.04	1123.562	-24.31997	429.3803	1124.91	1124.91	979.7897	974.7897	45.40001	45.40001	0	
3	7	6623.822	6592.813	14961.04	1122.666	-24.31997	429.3803	1125.054	1125.054	979.9659	974.9659	45.27401	45.27401	0	
3	8	6435.285	6280.98	14961.04	1121.735	-24.31997	429.3803	1124.63	1124.63	982.3741	977.3741	44.67828	44.67828	0	
3	9	6117	5671.075	14961.04	1120.739	-46.71995	429.3803	1123.898	1123.898	985.3492	980.3492	43.18118	43.18118	0	
3	10	5340.708	4886.046	14961.04	1119.724	-24.31997	429.3803	1124.829	1124.829	989.8207	984.8207	38.75702	38.75702	0	
3	11	4567.797	4409.311	14961.04	1118.581	-24.31997	429.3803	1126.648	1126.648	994.4611	989.4611	34.77562	34.77562	0	
3	12	4262.394	21431.64	14961.04	1117.048	-24.31997	429.3803	1129.273	1129.273	998.9051	993.9051	34.7	34.7	0	
3	13	21275.16	21218.67	14961.04	1116.535	-24.31997	429.3803	1131.206	1131.206	1005.231	.031	34.7	34.7	0	
3	14	3817.225	3767.233	14961.04	1116.027	-24.31997	429.3803	1132.777	1132.777	1010.228	1005.228	34.7	34.7	0	
3	15	3599.287	3500.943	14961.04	1114.333	-18.23998	429.3803	1134.32	1134.32	1014.786	1009.786	34.7	34.7	0	
3	16	3294.967	3022.979	14961.04	1112.917	-9.119992	429.3803	1133.139	1133.139	1022.224	1017.224	34.58603	34.58603	0	
3	17	2681.677	2571.976	14961.04	1111.602	-6.079994	429.3803	1131.301	1131.301	1029.673	1024.673	30.7	30.7	0	
3	18	1805.434	4721.828	11220.78	1110.372	-6.079994	322.0352	1131.651	1131.651	1033.264	1028.264	29.29461	29.29461	0	
3	19	1118.205	4413.182	7480.52	1109.78	-6.079994	214.6902	1131.942	1131.942	1037.204	1032.204	28.93953	28.93953	0	
3	20	1046.322	4151.22	7480.52	1109.185	-6.079994	214.6902	1132.876	1132.876	1040.82	1035.82	28.55683	28.55683	0	
3	21	994.3716	3880.483	7480.52	1108.589	-6.079994	214.6902	1133.74	1133.74	1043.741	1038.741	28.37112	28.37112	0	
3	22	913.885	3489.678	7480.52	1107.996	-6.079994	214.6902	1132.2	1132.2	1047.062	1042.062	27.64919	27.64919	0	
3	23	798.7291	3087.283	7480.52	1107.397	-6.079994	214.6902	1129.27	1129.27	1050.873	1045.873	25.83333	25.83333	0	
3	24	714.7568	2745.741	7480.52	1106.787	-6.079994	214.6902	1125.255	1125.255	1054.628	1049.628	24.82614	24.82614	0	
3	25	633.829	2343.505	7480.52	1106.181	-6.079994	214.6902	1121.794	1121.794	1060.48	1055.48	24.57166	24.57166	0	
3	26	518.9997	1996.337	7480.52	1105.573	-6.079994	214.6902	1120.231	1120.231	1068.62	1063.62	24.16681	24.16681	0	
3	27	462.4265	1804.924	7480.52	1104.955	-6.079994	214.6902	1119.762	1119.762	1072.544	1067.544	23.95288	23.95288	0	
3	28	430.9376	1594.84	7480.52	1104.375	-6.079994	214.6902	1119.625	1119.625	1074.111	1069.111	23.29006	23.29006	0	
3	29	370.5062	1280.726	7480.52	1103.845	-11.67999	214.6902	1119.671	1119.671	1075.683	1070.683	20.66667	20.66667	0	
3	30	274.7139	1030.046	7480.52	1103.337	-11.67999	214.6902	1120.152	1120.152	1076.589	1071.589	15.95867	15.95867	0	
3	31	233.8759	937.1903	7480.52	1102.834	-11.67999	214.6902	1120.955	1120.955	1077.027	1072.027	14.10042	14.10042	0	
3	32	223.6348	906.4733	7480.52	1102.392	-11.67999	214.6902	1121.471	1121.471	1077.177	1072.177	13.69123	13.69123	0	
3	33	221.9385	903.9882	7480.52	1102.034	-11.67999	214.6902	1122.251	1122.251	1077.352	1072.352	13.59765	13.59765	0	
3	34	225.7019	923.7787	7480.52	1101.74	-11.67999	214.6902	1123.718	1123.718	1077.244	1072.244	13.93965	13.93965	0	
3	35	234.2289	954.0688	7480.52	1101.461	-142.3998	214.6902	1124.625	1124.625	1076.302	1071.302	14.04566	14.04566	0	
3	36	245.3456	970.2971	7480.52	1100.923	-142.3998	214.6902	1125.14	1125.14	1074.517	1069.517	14.07468	14.07468	0	
3	37	246.1395	959.1212	7480.52	1100.35	-213.5998	214.6902	1124.103	1124.103	1074.124	1069.124	14.1	14.1	0	
3	38	241.2082	941.2132	7480.52	1099.765	-273.242	214.6902	1121.528	1121.528	1074.204	1069.204	14.1	14.1	0	
3	39	238.5789	941.3741	7480.52	1099.172	-273.242	214.6902	1119.352	1119.352	1074.227	1069.227	14.1046	14.1046	0	
3	40	363.2513	457.2796	11220.78	1098.594	-409.863	322.0352	1115.475	1115.475	1073.037	1068.037	14.11503	14.11503	0	

3	41	443.1579	391.2702	14961.04	1097.581	-546.484	429.3803	1114	1114	1073.065	1068.065	13.40914	13.40914	0
3	42	345.8457	325.4813	14961.04	1096.57	-546.484	429.3803	1109.178	1109.178	1073.719	1068.719	10.7417	10.7417	0
3	43	314.6591	290.9153	14961.04	1095.311	-475.1994	429.3803	1102.07	1102.07	1074.231	1069.231	10.1222	10.1222	0
3	44	278.8851	249.84	14961.04	1093.865	-316.7996	429.3803	1097.767	1097.767	1076.138	1071.138	10.1	10.1	0
3	45	222.428	200.2289	14961.04	1092.669	-316.7996	429.3803	1094.765	1094.765	1079.78	1074.78	10.1	10.1	0
3	[illegible]	164.9804	144.049	14961.04	1091.736	-427.1994	429.3803	1094.194	1094.194	1084.158	1079.158	10.22751	10.22751	0
3	47	107.2242	80.26569	14961.04	1090.003	-427.1994	429.3803	1092.659	1092.659	1088.069	1083.069	9.602548	9.602548	0
3	48	47.53585	47.09356	299.2208	1084.307	0	80000	1084.3	1083.3	1089.936	1084.936	7.776931	7.776931	14
3	49	47.87123	52.61615	299.2208	1084.203	0	80000	1084.2	1083.2	1089.642	1084.642	4.869527	4.869527	14
3	50	58.78864	54.71298	14961.04	1089.497	-35.03998	429.3803	1110.51	1110.51	1087.759	1082.759	1.687461	1.687461	0
3	51	51.35538	52.71054	14961.04	1094.654	-52.55998	429.3803	1119.774	1119.774	1087.973	1082.973	.381136	.381136	0
3	52	54.86157	55.8435	14961.04	1099.938	-105.1199	429.3803	1124.994	1124.994	1089.346	1084.346	.450984	.450984	0
3	53	58.57614	59.30593	14961.04	1104.533	-140.1599	429.3803	1126.668	1126.668	1090.242	1085.242	.530882	.530882	0
3	54	63.02445	62.31661	14961.04	1108.508	-140.1599	429.3803	1126.08	1126.08	1090.033	1085.033	.58841	.58841	0
3	55	66.57269	64.80323	14961.04	1111.914	-140.1599	429.3803	1124.808	1124.808	1088.899	1083.899	.590577	.590577	0
3	56	68.9505	68.57959	14961.04	1114.822	-140.1599	429.3803	1127.465	1127.465	1088.688	1083.688	.612461	.612461	0
3	57	73.60204	74.51553	14961.04	1117.507	-140.1599	429.3803	1131.134	1131.134	1088.604	1083.604	.712604	.712604	0
3	58	80.36337	78.91939	14961.04	1119.833	-140.1599	429.3803	1134.424	1134.424	1088.783	1083.783	.857721	.857721	0
3	59	82.11201	80.25904	14961.04	1121.749	-140.1599	429.3803	1137.595	1137.595	1090.042	1085.042	.889889	.889889	0
3	60	82.64344	81.12251	14961.04	1123.155	-140.1599	429.3803	1140.195	1140.195	1090.683	1085.683	.88602	.88602	0
3	61	83.55186	81.95988	14961.04	1123.897	-140.1599	429.3803	1141.919	1141.919	1090.75	1085.75	.897677	.897677	0
3	62	83.45863	82.12466	14961.04	1123.864	-140.1599	429.3803	1143.145	1143.145	1090.959	1085.959	.918553	.918553	0
3	63	82.50122	80.96164	14961.04	1122.88	-140.1599	429.3803	1143.899	1143.899	1091.148	1086.148	.938962	.938962	0
3	64	80.10645	79.94266	14961.04	1120.504	-140.1599	80000	1120.5	1119.5	1091.124	1086.124	.944055	.944055	20
4	1	6617.113	6643.203	14961.04	1127.637	-46.71995	80000	1127.9	1126.9	986.7679	981.7679	45.4	45.4	19
4	2	6637.948	6649.62	14961.04	1126.174	-46.71995	429.3803	1124.168	1124.168	985.5111	980.5111	45.4	45.4	0
4	3	6657.006	6681.801	14961.04	1125.011	-46.71995	429.3803	1124.096	1124.096	983.8463	978.8463	45.4	45.4	0
4	4	6680.281	6709.458	14961.04	1123.893	-24.31997	429.3803	1124.175	1124.175	981.7958	976.7958	45.40001	45.40001	0
4	5	6679.941	6674.872	14961.04	1122.763	-24.31997	429.3803	1124.196	1124.196	980.3638	975.3638	45.4	45.4	0
4	6	6557.677	6585.035	14961.04	1121.641	-24.31997	429.3803	1124.447	1124.447	981.0649	976.0649	45.4	45.4	0
4	7	6400.68	6466.294	14961.04	1120.522	-24.31997	429.3803	1124.251	1124.251	982.089	977.089	45.4	45.4	0
4	8	6252.665	6271.305	14961.04	1119.389	-24.31997	429.3803	1123.535	1123.535	984.8829	979.8829	45.66728	45.66728	0
4	9	5989.587	5786.634	14961.04	1118.242	-46.71995	429.3803	1122.896	1122.896	988.1811	983.1811	45.31764	45.31764	0
4	10	5505.287	5022.459	14961.04	1117.07	-24.31997	429.3803	1124.171	1124.171	992.2169	987.2169	41.58554	41.58554	0
4	11	4842.892	4420.88	14961.04	1115.951	-24.31997	429.3803	1125.971	1125.971	996.3467	991.3467	36.84126	36.84126	0
4	12	4094.511	4105.907	14961.04	1115.137	-24.31997	429.3803	1127.879	1127.879	1000.337	995.3367	35.01793	35.01793	0
4	13	3891.302	3873.716	14961.04	1115.369	-24.31997	429.3803	1130.081	1130.081	1006.29	1001.29	34.7	34.7	0
4	14	3672.243	3649.278	14961.04	1113.306	-18.23998	429.3803	1131.182	1131.182	1010.854	1005.854	34.7	34.7	0
4	15	3455.637	3393.311	14961.04	1111.666	-12.15999	429.3803	1132.939	1132.939	1015.579	1010.579	34.7	34.7	0
4	16	3159.303	2953.665	14961.04	1110.263	-9.119992	429.3803	1130.913	1130.913	1022.759	1017.759	34.74585	34.74585	0
4	17	2700.483	2516.947	14961.04	1108.947	-6.079994	429.3803	1129.284	1129.284	1030.388	1025.388	31.41871	31.41871	0
4	18	1798.369	4565.482	11220.78	1107.775	-6.079994	322.0352	1129.222	1129.222	1033.964	1028.964	29.67044	29.67044	0
4	19	1057.161	4244.924	7480.52	1107.246	-6.079994	214.6902	1130.08	1130.08	1037.961	1032.961	29.01414	29.01414	0
4	20	996.9445	4011.553	7480.52	1106.72	-6.079994	214.6902	1131.799	1131.799	1041.468	1036.468	28.7	28.7	0
4	21	946.3269	3752.543	7480.52	1106.211	-6.079994	214.6902	1133.01	1133.01	1044.346	1039.346	28.72346	28.72346	0
4	22	873.6384	3360.779	7480.52	1105.72	-6.079994	214.6902	1131.743	1131.743	1047.613	1042.613	27.82437	27.82437	0
4	23	743.7634	2966.66	7480.52	1105.235	-6.079994	214.6902	1128.95	1128.95	1050.857	1045.857	25.72448	25.72448	0
4	24	684.9131	2648.602	7480.52	1104.738	-6.079994	214.6902	1125.013	1125.013	1054.097	1049.097	24.45034	24.45034	0
4	25	613.1521	2267.81	7480.52	1104.254	-6.079994	214.6902	1121.377	1121.377	1059.765	1054.765	24.4	24.4	0
4	26	525.2625	1929.368	7480.52	1103.773	-6.079994	214.6902	1119.965	1119.965	1068.75	1063.75	24.4	24.4	0
4	27	448.7422	1768.533	7480.52	1103.311	-6.079994	214.6902	1119.999	1119.999	1072.805	1067.805	24.4	24.4	0
4	28	425.2892	1610.936	7480.52	1102.887	-6.079994	214.6902	1120.245	1120.245	1074.324	1069.324	24.26889	24.26889	0
4	29	385.6694	1300.154	7480.52	1102.516	-11.67999	214.6902	1120.61	1120.61	1075.361	1070.361	22.02431	22.02431	0
4	30	295.4313	1004.313	7480.52	1102.184	-11.67999	214.6902	1120.625	1120.625	1076.405	1071.405	16.35251	16.35251	0
4	31	225.1713	892.8527	7480.52	1101.89	-11.67999	214.6902	1120.986	1120.986	1076.869	1071.869	13.72527	13.72527	0
4	32	218.656	875.8201	7480.52	1101.641	-11.67999	214.6902	1121.091	1121.091	1077.04	1072.04	13.23346	13.23346	0
4	33	217.4654	886.5734	7480.52	1101.461	-11.67999	214.6902	1122.454	1122.454	1077.26	1072.26	13.52413	13.52413	0
4	34	222.6768	915.9446	7480.52	1101.344	-11.67999	214.6902	1124.067	1124.067	1077.444	1072.444	13.92304	13.92304	0
4	35	231.7708	964.229	7480.52	1101.279	-142.3998	214.6902	1124.864	1124.864	1076.194	1071.194	14.11004	14.11004	0
4	36	250.0503	995.6431	7480.52	1101.146	-213.5998	214.6902	1124.78	1124.78	1074.135	1069.135	14.1	14.1	0

4	37	249.6282	990.2697	7480.52	1100.943	-273.242	214.6902	1123.347	1123.347	1073.57	1068.57	14.1	14.1	0
4	38	248.0947	977.9354	7480.52	1100.66	-273.242	214.6902	1120.136	1120.136	1074.029	1069.029	14.1	14.1	0
4	39	246.24	981.6121	7480.52	1100.318	-273.242	214.6902	1116.354	1116.354	1073.823	1068.823	14.1	14.1	0
4	40	370.2722	470.2134	11220.78	1099.942	-409.863	322.0352	1111.601	1111.601	1072.81	1067.81	14.00278	14.00278	0
4	41	431.1774	397.7333	14961.04	1099.122	-546.484	429.3803	1109.927	1109.927	1072.99	1067.99	12.94731	12.94731	0
	?	352.9088	335.0236	14961.04	1098.105	-546.484	429.3803	1105.522	1105.522	1073.469	1068.469	10.28678	10.28678	0
4	43	321.7148	302.629	14961.04	1096.609	-475.1994	429.3803	1099.711	1099.711	1074.14	1069.14	10.1	10.1	0
4	44	282.8468	251.4731	14961.04	1094.805	-316.7996	429.3803	1096.012	1096.012	1076.089	1071.089	10.1	10.1	0
4	45	204.8435	187.1795	14961.04	1093.042	-316.7996	429.3803	1092.755	1092.755	1080.632	1075.632	9.981759	9.981759	0
4	46	135.6398	128.1556	14961.04	1091.615	-427.1994	429.3803	1091.687	1091.687	1085.13	1080.13	9.495589	9.495589	0
4	47	82.96938	74.49435	14961.04	1089.333	-427.1994	429.3803	1090.28	1090.28	1087.968	1082.968	8.51438	8.51438	0
4	48	57.24742	48.31352	29922.08	1084.305	0	80000	1084.3	1083.3	1089.175	1084.175	6.869534	6.869534	14
4	49	59.04697	54.04372	29922.08	1084.207	0	80000	1084.2	1084.2	1088.829	1083.829	4.385089	4.385089	14
4	50	59.07039	55.43104	14961.04	1090.633	-35.03998	429.3803	1115.972	1115.972	1087.664	1082.664	1.589575	1.589575	0
4	51	52.13787	53.50641	14961.04	1096.369	-52.55998	429.3803	1123.984	1123.984	1088.359	1083.359	.348111	.348111	0
4	52	56.86417	57.59422	14961.04	1102.218	-105.1199	429.3803	1125.185	1125.185	1089.752	1084.752	.479809	.479809	0
4	53	60.43504	62.29466	14961.04	1107.246	-140.1599	429.3803	1125.08	1125.08	1090.811	1085.811	.568688	.568688	0
4	54	65.85782	67.28053	14961.04	1111.403	-140.1599	429.3803	1123.61	1123.61	1090.061	1085.061	.67257	.67257	0
4	55	72.87965	70.71996	14961.04	1114.957	-140.1599	429.3803	1122.337	1122.337	1088.509	1083.509	.720063	.720063	0
4	56	74.80299	73.97295	14961.04	1118.086	-140.1599	429.3803	1125.297	1125.297	1089.139	1084.139	.730224	.730224	0
4	57	78.15749	79.44987	14961.04	1120.833	-140.1599	429.3803	1128.991	1128.991	1089.767	1084.767	.800934	.800934	0
4	58	83.08537	83.556	14961.04	1123.077	-140.1599	429.3803	1132.292	1132.292	1089.894	1084.894	.931948	.931948	0
4	59	84.77687	84.49641	14961.04	1124.816	-140.1599	429.3803	1135.701	1135.701	1090.919	1085.919	.94755	.94755	0
4	60	85.5477	85.07278	14961.04	1125.945	-140.1599	429.3803	1138.594	1138.594	1091.431	1086.431	.94	.94	0
4	61	86.03601	85.05061	14961.04	1126.29	-140.1599	429.3803	1140.745	1140.745	1091.318	1086.318	.948819	.948819	0
4	62	85.19781	83.83519	14961.04	1125.698	-140.1599	429.3803	1142.325	1142.325	1091.174	1086.174	.94	.94	0
4	63	83.647	81.64603	14961.04	1123.953	-140.1599	429.3803	1143.47	1143.47	1091.156	1086.156	.94	.94	0
4	64	80.73887	80.27023	14961.04	1120.705	-140.1599	80000	1120.7	1119.7	1090.743	1085.743	.94	.94	20
	1	6650.542	6611.857	14961.04	1125.131	-46.71995	80000	1124.8	1123.8	985.618	980.618	45.4	45.4	19
	2	6666.049	6645.333	14961.04	1124.891	-46.71995	429.3803	1123.424	1123.424	984.2418	979.2418	45.39999	45.39999	0
	3	6664.033	6655.486	14961.04	1123.762	-46.71995	429.3803	1123.613	1123.613	982.762	977.762	45.4	45.4	0
	4	6639.871	6650.764	14961.04	1122.416	-46.71995	429.3803	1123.698	1123.698	981.3066	976.3066	45.40001	45.40001	0
	5	6605.045	6562.746	14961.04	1121.031	-46.71995	429.3803	1123.64	1123.64	980.2271	975.2271	45.4	45.4	0
5	6	6448.231	6373.322	14961.04	1119.655	-46.71995	429.3803	1124.27	1124.27	982.4287	977.4287	45.40001	45.40001	0
5	7	6275.96	6187.051	14961.04	1118.293	-46.71995	429.3803	1124.429	1124.429	985.8603	980.8603	45.40001	45.40001	0
	8	6080.187	5970.946	14961.04	1116.95	-46.71995	429.3803	1124.065	1124.065	987.9553	982.9553	45.4	45.4	0
	9	5835.143	5708.24	14961.04	1115.614	-46.71995	429.3803	1123.469	1123.469	992.7473	987.7473	45.40519	45.40519	0
5	10	5618.165	5325.72	14961.04	1114.281	-24.31997	429.3803	1124.975	1124.975	995.27	990.27	44.80608	44.80608	0
	11	5202.221	4516.523	14961.04	1113.047	-24.31997	429.3803	1126.45	1126.45	999.3553	994.3553	42.45781	42.45781	0
	12	4324.031	3879.906	14961.04	1112.03	-24.31997	429.3803	1127.304	1127.304	1003.453	998.4525	34.65784	34.65784	0
5	13	3758.033	3689.829	14961.04	1111.287	-18.23998	429.3803	1130.575	1130.575	1007.804	1002.804	34.7	34.7	0
	14	3554.602	3478.602	14961.04	1109.924	-12.15999	429.3803	1130.022	1130.022	1012.495	1007.495	34.7	34.7	0
	15	3347.665	3221.63	14961.04	1108.531	-12.15999	429.3803	1131.88	1131.88	1017.279	1012.279	34.7	34.7	0
5	16	3071.321	2906.122	14961.04	1107.216	-17.51999	429.3803	1128.56	1128.56	1024.672	1019.672	34.7	34.7	0
5	17	2753.861	2581.362	14961.04	1105.961	-11.67999	429.3803	1124.164	1124.164	1032.32	1027.32	34.40652	34.40652	0
	18	1865.174	4458.812	11220.78	1104.867	-6.079994	322.0352	1123.681	1123.681	1035.754	1030.754	32.19353	32.19353	0
	19	1050.619	3971.496	7480.52	1104.39	-6.079994	214.6902	1124.596	1124.596	1040.154	1035.154	28.88972	28.88972	0
5	20	961.5931	3761.532	7480.52	1103.931	-6.079994	214.6902	1128.709	1128.709	1043.17	1038.17	28.84826	28.84826	0
	21	907.8632	3527.318	7480.52	1103.497	-6.079994	214.6902	1128.966	1128.966	1045.888	1040.888	28.57475	28.57475	0
	22	843.9548	3108.828	7480.52	1103.089	-6.079994	214.6902	1127.84	1127.84	1049.249	1044.249	28.2387	28.2387	0
5	23	706.2517	2748.046	7480.52	1102.696	-6.079994	214.6902	1127.625	1127.625	1053.361	1048.361	25.19536	25.19536	0
	24	648.6072	2543.659	7480.52	1102.307	-6.079994	214.6902	1124.118	1124.118	1054.359	1049.359	24.54734	24.54734	0
	25	580.9814	2285.848	7480.52	1101.943	-6.079994	214.6902	1122.565	1122.565	1059.408	1054.408	24.47265	24.47265	0
5	26	513.6107	1966.651	7480.52	1101.601	-6.079994	214.6902	1121.104	1121.104	1063.983	1058.983	24.4	24.4	0
5	27	430.0088	1727.593	7480.52	1101.289	-6.079994	214.6902	1120.386	1120.386	1071.801	1066.801	24.4	24.4	0
	28	410.3274	1632.899	7480.52	1101.006	-6.079994	214.6902	1122.92	1122.92	1072.983	1067.983	24.19272	24.19272	0
	29	392.4161	1424.249	7480.52	1100.778	-6.079994	214.6902	1123.68	1123.68	1074.493	1069.493	23.85278	23.85278	0
5	30	334.4087	1078.098	7480.52	1100.612	-11.67999	214.6902	1122.843	1122.843	1075.712	1070.712	19.72211	19.72211	0
	31	240.64	882.4567	7480.52	1100.528	-6.079994	214.6902	1121.346	1121.346	1076.034	1071.034	13.55414	13.55414	0
	32	214.9706	868.6656	7480.52	1100.521	-6.079994	214.6902	1121.529	1121.529	1076.34	1071.34	13.49899	13.49899	0

5	33	211.716	873.9955	7480.52	1100.574	-6.079994	214.6902	1123.822	1123.822	1076.476	1071.476	13.26104	13.26104	0
5	34	215.4422	901.8461	7480.52	1100.689	-105.5999	214.6902	1126.825	1126.825	1076.751	1071.751	13.79272	13.79272	0
5	35	227.3827	963.0554	7480.52	1100.776	-158.3998	214.6902	1124.58	1124.58	1076.401	1071.401	14.08419	14.08419	0
5	36	250.4005	1003.071	7480.52	1100.797	-211.1998	214.6902	1122.615	1122.615	1073.055	1068.055	14.08334	14.08334	0
5	37	250.5659	1000.622	7480.52	1100.745	-211.1998	214.6902	1120.539	1120.539	1073.523	1068.523	14.1	14.1	0
5	[illegible]	248.2796	999.4033	7480.52	1100.643	-273.242	214.6902	1116.803	1116.803	1073.114	1068.114	14.1	14.1	0
5	[illegible]	246.3449	990.7404	7480.52	1100.454	-273.242	214.6902	1110.62	1110.62	1073.29	1068.29	14.08932	14.08932	0
5	40	367.1874	454.6602	11220.78	1100.197	-409.863	322.0352	1104.333	1104.333	1072.488	1067.488	13.76145	13.76145	0
5	41	415.9261	386.3528	14961.04	1099.482	-546.484	429.3803	1101.601	1101.601	1073.14	1068.14	11.86266	11.86266	0
5	42	350.3823	339.6001	14961.04	1098.332	-546.484	429.3803	1099.066	1099.066	1072.559	1067.559	10.18863	10.18863	0
5	43	316.0403	301.9327	14961.04	1096.542	-475.1994	429.3803	1096.417	1096.417	1074.003	1069.003	10.1	10.1	0
5	44	272.9274	236.2172	14961.04	1094.25	-316.7996	429.3803	1093.706	1093.706	1075.73	1070.73	10.1	10.1	0
5	45	188.9654	153.3038	14961.04	1091.64	-316.7996	429.3803	1090.361	1090.361	1082.276	1077.276	10.09397	10.09397	0
5	46	110.5443	90.45355	14961.04	1088.506	0	429.3803	1087.846	1087.846	1084.985	1079.985	8.190109	8.190109	0
5	47	69.44897	65.72245	29922.08	1084.31	0	80000	1084.3	1083.3	1086.321	1081.321	6.168996	6.168996	14
5	48	63.03545	67.98087	29922.08	1084.302	0	80000	1084.3	1083.3	1085.969	1080.969	6.036916	6.036916	14
5	49	62.88646	64.07364	14961.04	1087.068	0	429.3803	1094.734	1094.734	1086.671	1081.671	4.239737	4.239737	0
5	50	56.62695	55.77722	14961.04	1091.669	-18.23998	429.3803	1115.054	1115.054	1087.929	1082.929	1.361251	1.361251	0
5	51	54.52451	55.49563	14961.04	1097.146	-27.35998	429.3803	1121.802	1121.802	1089.287	1084.287	.446483	.446483	0
5	52	59.63861	59.70499	14961.04	1102.981	-105.1199	429.3803	1120.171	1120.171	1090.497	1085.497	.617451	.617451	0
5	53	62.40491	63.99819	14961.04	1108.061	-140.1599	429.3803	1120.085	1120.085	1091.448	1086.448	.634152	.634152	0
5	54	67.36508	71.45695	14961.04	1112.345	-140.1599	429.3803	1119.7	1119.7	1090.86	1085.86	.728926	.728926	0
5	55	75.2925	76.96269	14961.04	1116.06	-140.1599	429.3803	1120.103	1120.103	1088.686	1083.686	.902071	.902071	0
5	56	77.80511	78.98753	14961.04	1119.463	-140.1599	429.3803	1123.073	1123.073	1090.794	1085.794	.900851	.900851	0
5	57	80.57268	81.79298	14961.04	1122.491	-140.1599	429.3803	1126.856	1126.856	1091.847	1086.847	.914302	.914302	0
5	58	83.49255	84.30624	14961.04	1124.924	-140.1599	429.3803	1129.907	1129.907	1091.812	1086.812	.937447	.937447	0
5	59	85.74828	85.82816	14961.04	1126.723	-140.1599	429.3803	1133.272	1133.272	1091.665	1086.665	.94	.94	0
5	60	87.08399	86.51093	14961.04	1127.772	-140.1599	429.3803	1136.75	1136.75	1091.443	1086.443	.94	.94	0
5	61	87.4127	86.18322	14961.04	1127.912	-140.1599	429.3803	1139.635	1139.635	1091.325	1086.325	.94	.94	0
5	62	86.56793	85.00963	14961.04	1126.974	-140.1599	429.3803	1141.079	1141.079	1091.313	1086.313	.94	.94	0
5	[illegible]	85.33881	82.73985	14961.04	1124.758	-140.1599	429.3803	1142.586	1142.586	1090.48	1085.48	.94	.94	0
5	[illegible]	83.07874	81.2075	14961.04	1121.005	-140.1599	80000	1121	1120	1089.846	1084.846	.94	.94	20
6	1	6737.818	6704.732	14961.04	1126.845	-46.71995	80000	1127.2	1126.2	984.493	979.493	45.4	45.4	19
6	2	6711.328	6684.748	14961.04	1124.589	-46.71995	429.3803	1123.042	1123.042	982.675	977.675	45.4	45.4	0
6	3	6675.228	6648.419	14961.04	1122.736	-46.71995	429.3803	1123.002	1123.002	981.2496	976.2496	45.4	45.4	0
6	4	6598.505	6594.152	14961.04	1120.961	-46.71995	429.3803	1124.166	1124.166	980.6395	975.6395	45.4	45.4	0
6	5	6525.242	6490.53	14961.04	1119.242	-46.71995	429.3803	1125.722	1125.722	980.1422	975.1422	45.39999	45.39999	0
6	6	6374.188	6350.869	14961.04	1117.574	-46.71995	429.3803	1125.156	1125.156	981.823	976.823	45.4	45.4	0
6	7	6240.497	6169.096	14961.04	1115.952	-24.31997	429.3803	1125.781	1125.781	983.0174	978.0174	45.40001	45.40001	0
6	8	6010.407	5944.383	14961.04	1114.38	-24.31997	429.3803	1125.663	1125.663	986.6593	981.6593	45.4	45.4	0
6	9	5780.626	5745.067	14961.04	1112.844	-46.71995	429.3803	1126.333	1126.333	989.8398	984.8398	45.4	45.4	0
6	10	5584.162	5494.666	14961.04	1111.358	-24.31997	429.3803	1126.078	1126.078	993.3924	988.3924	45.74849	45.74849	0
6	11	5328.742	5009.729	14961.04	1109.958	-24.31997	429.3803	1127.015	1127.015	996.8099	991.8099	44.93608	44.93608	0
6	12	4761.085	4202.158	14961.04	1108.685	-18.23998	429.3803	1129.294	1129.294	1000.659	995.6585	41.17717	41.17717	0
6	13	3659.909	3622.807	14961.04	1107.628	-12.15999	429.3803	1128.612	1128.612	1006.297	1001.297	34.7215	34.7215	0
6	14	3463.815	3423.666	14961.04	1106.375	-12.15999	429.3803	1125.874	1125.874	1010.703	1005.703	34.7	34.7	0
6	15	3273.657	3197.356	14961.04	1105.108	-12.15999	429.3803	1127.385	1127.385	1015.242	1010.242	34.7	34.7	0
6	16	3028.741	2919.059	14961.04	1103.886	-17.51999	429.3803	1125.713	1125.713	1021.322	1016.322	34.7	34.7	0
6	17	2723.833	2659.398	14961.04	1102.729	-11.67999	429.3803	1124.662	1124.662	1028.931	1023.931	34.67559	34.67559	0
6	18	1909.63	4717.46	11220.78	1101.683	-6.079994	322.0352	1124.952	1124.952	1032.608	1027.608	33.97608	33.97608	0
6	19	1129.886	4077.351	7480.52	1101.226	-6.079994	214.6902	1124.958	1124.958	1036.666	1031.666	30.61263	30.61263	0
6	20	939.3745	3716.293	7480.52	1100.828	-6.079994	214.6902	1125.185	1125.185	1040.669	1035.669	28.77516	28.77516	0
6	21	878.5321	3479.954	7480.52	1100.451	-6.079994	214.6902	1124.295	1124.295	1044.116	1039.116	28.80572	28.80572	0
6	22	827.0743	3091.998	7480.52	1100.105	-6.079994	214.6902	1124.409	1124.409	1047.125	1042.125	28.23851	28.23851	0
6	23	680.8041	2671.39	7480.52	1099.792	-6.079994	214.6902	1125.616	1125.616	1050.803	1045.803	25.51271	25.51271	0
6	[illegible]	609.0526	2374.696	7480.52	1099.504	-6.079994	214.6902	1126.687	1126.687	1054.529	1049.529	24.31435	24.31435	0
6	[illegible]	537.4673	2092.52	7480.52	1099.251	-6.079994	214.6902	1126.187	1126.187	1060.039	1055.039	24.4	24.4	0
6	26	476.4952	1807.827	7480.52	1099.039	-6.079994	214.6902	1125.275	1125.275	1065.902	1060.902	24.4	24.4	0
6	27	397.1838	1633.752	7480.52	1098.873	-6.079994	214.6902	1123.405	1123.405	1071.427	1066.427	24.4	24.4	0
6	28	385.7162	1578.075	7480.52	1098.756	-6.079994	214.6902	1119.494	1119.494	1072.814	1067.814	24.4	24.4	0

6	29	377.868	1483.05	7480.52	1098.708	-6.079994	214.6902	1118.971	1118.971	1073.543	1068.543	24.3843	24.3843	0
6	30	347.2969	1222.097	7480.52	1098.748	-105.5999	214.6902	1119.544	1119.544	1075.136	1070.136	23.04868	23.04868	0
6	31	251.6616	939.9861	7480.52	1098.876	-105.5999	214.6902	1113.321	1113.321	1075.602	1070.602	16.77024	16.77024	0
6	32	203.8534	838.0808	7480.52	1099.108	-105.5999	214.6902	1116.015	1116.015	1075.848	1070.848	13.34808	13.34808	0
6	33	203.5797	834.6371	7480.52	1099.368	-105.5999	214.6902	1118.244	1118.244	1076.179	1071.179	13.2012	13.2012	0
6	[illegible]	203.1816	869.4535	7480.52	1099.629	-158.3998	214.6902	1115.612	1115.612	1076.713	1071.713	13.3824	13.3824	0
6	35	218.1018	948.0772	7480.52	1099.813	-211.1998	214.6902	1115.541	1115.541	1075.734	1070.734	13.99719	13.99719	0
6	36	243.9372	1000.795	7480.52	1099.89	-211.1998	214.6902	1113.074	1113.074	1072.803	1067.803	14.11793	14.11793	0
6	37	246.8426	994.7601	7480.52	1099.901	-211.1998	214.6902	1109.827	1109.827	1072.244	1067.244	14.1	14.1	0
6	38	241.5682	979.0946	7480.52	1099.868	-273.242	214.6902	1107.828	1107.828	1073.174	1068.174	14.1	14.1	0
6	39	242.0421	973.8058	7480.52	1099.739	-273.242	214.6902	1104.877	1104.877	1073.207	1068.207	14.1	14.1	0
6	40	353.4861	450.8492	11220.78	1099.529	-409.863	322.0352	1102.489	1102.489	1072.683	1067.683	13.87029	13.87029	0
6	41	379.4584	379.9556	14961.04	1098.825	-546.484	429.3803	1100.46	1100.46	1072.753	1067.753	11.992	11.992	0
6	42	331.735	326.8224	14961.04	1097.466	-546.484	429.3803	1099.247	1099.247	1072.768	1067.768	10.1	10.1	0
6	43	296.0165	287.035	14961.04	1095.405	-475.1994	429.3803	1095.118	1095.118	1074.057	1069.057	10.1	10.1	0
6	44	235.8478	225.6755	14961.04	1093.095	-316.7996	429.3803	1092.893	1092.893	1076.347	1071.347	10.1	10.1	0
6	45	154.7927	146.2059	14961.04	1090.628	-427.1994	429.3803	1090.576	1090.576	1081.679	1076.679	10.16663	10.16663	0
6	46	96.1412	89.53974	14961.04	1086.346	0	429.3803	1085.128	1085.128	1083.73	1078.73	7.768878	7.768878	0
6	47	73.22262	66.76198	14961.04	1084.502	0	80000	1084.5	1083.5	1084.367	1079.367	5.435792	5.435792	14
6	48	56.70444	57.94105	29922.08	1084.503	-18.23998	80000	1084.5	1083.5	1085.472	1080.472	3.285297	3.285297	14
6	49	53.28429	55.43977	14961.04	1088.058	-18.23998	429.3803	1095.477	1095.477	1087.025	1082.025	1.610066	1.610066	0
6	50	53.91489	55.37424	14961.04	1092.24	-18.23998	429.3803	1115.814	1115.814	1088.613	1083.613	.878885	.878885	0
6	51	55.85767	58.66749	14961.04	1097.048	-27.35998	429.3803	1120.474	1120.474	1090.154	1085.154	.750377	.750377	0
6	52	59.59862	62.33853	14961.04	1102.29	-105.1199	429.3803	1119.528	1119.528	1091.443	1086.443	.856603	.856603	0
6	53	62.93958	65.7718	14961.04	1107.072	-140.1599	429.3803	1118.88	1118.88	1093.719	1088.719	.845568	.845568	0
6	54	67.14703	71.20064	14961.04	1111.315	-140.1599	429.3803	1117.478	1117.478	1093.666	1088.666	.881878	.881878	0
6	55	72.40019	76.13492	14961.04	1115.312	-140.1599	429.3803	1115.525	1115.525	1091.694	1086.694	.936514	.936514	0
6	56	76.98247	79.39026	14961.04	1119.279	-140.1599	429.3803	1119.794	1119.794	1092.205	1087.205	.94	.94	0
6	57	80.83154	82.27225	14961.04	1122.858	-140.1599	429.3803	1124.909	1124.909	1092.628	1087.628	.94	.94	0
6	58	83.77072	84.93459	14961.04	1125.651	-140.1599	429.3803	1129.497	1129.497	1092.515	1087.515	.94	.94	0
6	[illegible]	86.59409	87.0041	14961.04	1127.691	-140.1599	429.3803	1132.268	1132.268	1091.557	1086.557	.94	.94	0
6	60	88.43571	87.98576	14961.04	1128.855	-140.1599	429.3803	1135.396	1135.396	1090.97	1085.97	.94	.94	0
6	61	88.61075	87.79742	14961.04	1128.966	-140.1599	429.3803	1138.672	1138.672	1090.509	1085.509	.94	.94	0
6	62	89.00335	86.89711	14961.04	1127.855	-140.1599	429.3803	1140.218	1140.218	1090.198	1085.198	.94	.94	0
6	63	87.2481	85.6777	14961.04	1125.336	-140.1599	429.3803	1142.54	1142.54	1088.302	1083.302	.94	.94	0
6	64	83.01031	84.94996	14961.04	1121.206	-140.1599	80000	1121.2	1120.2	1084.978	1079.978	.94	.94	20
7	1	6789.93	6744.414	14961.04	1126.563	-46.71995	80000	1126.8	1125.8	983.194	978.194	45.4	45.4	19
7	2	6724.778	6701.808	14961.04	1123.971	-46.71995	429.3803	1124.612	1124.612	981.3135	976.3135	45.4	45.4	0
7	3	6648.469	6625.314	14961.04	1121.616	-46.71995	429.3803	1124.603	1124.603	980.1107	975.1107	45.4	45.4	0
7	4	6538.327	6529.595	14961.04	1119.42	-46.71995	429.3803	1124.759	1124.759	980.1273	975.1273	45.4	45.4	0
7	5	6436.36	6408.899	14961.04	1117.347	-46.71995	429.3803	1122.972	1122.972	980.059	975.059	45.40001	45.40001	0
7	6	6261.516	6263.814	14961.04	1115.379	-46.71995	429.3803	1126.727	1126.727	981.4096	976.4096	45.40001	45.40001	0
7	7	6098.978	6081.809	14961.04	1113.495	-24.31997	429.3803	1128.275	1128.275	982.6099	977.6099	45.40001	45.40001	0
7	8	5873.185	5846.651	14961.04	1111.683	-24.31997	429.3803	1128.546	1128.546	985.7524	980.7524	45.4	45.4	0
7	9	5634.459	5619.72	14961.04	1109.935	-24.31997	429.3803	1126.98	1126.98	989.4404	984.4404	45.4	45.4	0
7	10	5414.007	5418.238	14961.04	1108.262	-24.31997	429.3803	1128.722	1128.722	992.3589	987.3589	45.40001	45.40001	0
7	11	5202.396	5080.098	14961.04	1106.69	-18.23998	429.3803	1127.764	1127.764	995.8845	990.8845	45.70703	45.70703	0
7	12	4855.838	4218.836	14961.04	1105.237	-12.15999	429.3803	1124.87	1124.87	1000.393	995.3933	43.79934	43.79934	0
7	13	3831.284	3500.917	14961.04	1103.896	-23.35998	429.3803	1124.818	1124.818	1005.974	1000.974	34.67201	34.67201	0
7	14	3334.145	3313.806	14961.04	1102.67	-23.35998	429.3803	1123.572	1123.572	1010.462	1005.462	34.7	34.7	0
7	15	3155.771	3105.041	14961.04	1101.471	-12.15999	429.3803	1122.001	1122.001	1014.468	1009.468	34.7	34.7	0
7	16	2918.799	2833.515	14961.04	1100.328	-9.119992	429.3803	1124.584	1124.584	1020.211	1015.211	34.7	34.7	0
7	17	2635.92	2610.609	14961.04	1099.239	-11.67999	429.3803	1124.222	1124.222	1027.967	1022.967	34.7	34.7	0
7	18	1861.333	4894.429	11220.78	1098.243	-6.079994	322.0352	1121.407	1121.407	1031.039	1026.039	34.7	34.7	0
7	19	1155.919	4199.69	7480.52	1097.804	-6.079994	214.6902	1122.665	1122.665	1035.654	1030.654	34.52286	34.52286	0
7	1	927.213	3555.333	7480.52	1097.417	-6.079994	214.6902	1123.491	1123.491	1040.004	1035.004	28.98228	28.98228	0
7	21	834.6807	3342.471	7480.52	1097.065	-6.079994	214.6902	1122.157	1122.157	1043.694	1038.694	28.64752	28.64752	0
7	22	749.2123	2939.516	7480.52	1096.768	-6.079994	214.6902	1124.099	1124.099	1046.297	1041.297	28.74763	28.74763	0
7	23	626.0414	2488.037	7480.52	1096.484	-6.079994	214.6902	1124.74	1124.74	1050.057	1045.057	24.65398	24.65398	0
7	24	571.3885	2211.384	7480.52	1096.227	-6.079994	214.6902	1125.141	1125.141	1054.373	1049.373	24.36239	24.36239	0

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9  14  3590.59  3115.598  14961.04  1094.425 -12.15999  429.3803  1121.477  1121.477  1010.387  1005.387  36.60093  36.60093  0
9  15  2900.191  2824.986  14961.04  1093.307 -12.15999  429.3803  1123.097  1123.097  1014.434  1009.434  34.7  34.7  0
9  16  2650.674  2596.205  14961.04  1092.278 -9.119992  429.3803  1123.705  1123.705  1020.164  1015.164  34.6965  34.6965  0
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9	7	2618.521	2439.452	14961.04	1091.351	-6.079994	429.3803	1114.862	1114.862	1026.041	1021.041	34.85147	34.85147	0
9	8	2034.92	4716.677	11220.78	1090.422	-6.079994	322.0352	1121.476	1121.476	1029.627	1024.627	35.87063	35.87063	0
9	19	1429.015	4504.813	7480.52	1089.928	-6.079994	214.6902	1122.714	1122.714	1034.207	1029.207	37.65525	37.65525	0
9	0	1428.501	3886.26	7480.52	1089.395	-6.079994	214.6902	1121.749	1121.749	1039.919	1034.919	39.39491	39.39491	0
9	1	1295.213	3120.211	7480.52	1088.853	-6.079994	214.6902	1120.282	1120.282	1043.002	1038.002	32.76324	32.76324	0
9	2	1048.807	2728.288	7480.52	1088.478	-6.079994	214.6902	1118.631	1118.631	1046.988	1041.988	29.65217	29.65217	0
9	23	986.6293	2475.209	7480.52	1088.189	-6.079994	214.6902	1116.882	1116.882	1050.891	1045.891	30.08325	30.08325	0
9	24	946.5801	2290.108	7480.52	1087.995	-6.079994	214.6902	1109.818	1109.818	1054.521	1049.521	29.2115	29.2115	0
9	25	942.5588	2079.405	7480.52	1087.914	-105.5999	214.6902	1103.875	1103.875	1056.154	1051.154	29.5501	29.5501	0
9	26	775.9614	1669.528	7480.52	1087.954	-105.5999	214.6902	1099.897	1099.897	1063.354	1058.354	30.78724	30.78724	0
9	27	576.4133	1446.258	7480.52	1088.152	-105.5999	214.6902	1096.865	1096.865	1072.008	1067.008	31.83189	31.83189	0
9	28	450.9043	1408.931	7480.52	1088.544	-105.5999	214.6902	1102.088	1102.088	1071.439	1066.439	31.04831	31.04831	0
9	29	346.4334	1229.422	7480.52	1088.985	-105.5999	214.6902	1105.623	1105.623	1071.663	1066.663	28.48256	28.48256	0
9	30	253.979	1023.222	7480.52	1089.476	-105.5999	214.6902	1103.736	1103.736	1073.83	1068.83	24.52284	24.52284	0
9	31	199.3483	733.0179	7480.52	1090.02	-158.3998	214.6902	1105.578	1105.578	1074.136	1069.136	20.5447	20.5447	0
9	32	121.1511	481.8522	7480.52	1090.634	-211.1998	214.6902	1105.923	1105.923	1074.804	1069.804	10.36591	10.36591	0
9	33	87.87091	446.9195	7480.52	1091.391	-211.1998	214.6902	1103.815	1103.815	1075.906	1070.906	8.666572	8.666572	0
9	34	86.97887	458.0883	7480.52	1091.921	-211.1998	214.6902	1103.39	1103.39	1074.462	1069.462	8.061791	8.061791	0
9	35	90.8797	481.9479	7480.52	1092.233	-211.1998	214.6902	1103.081	1103.081	1073.537	1068.537	7.984326	7.984326	0
9	36	97.55649	548.9525	7480.52	1092.316	-211.1998	214.6902	1102.729	1102.729	1074.273	1069.273	8.894067	8.894067	0
9	37	120.6438	640.4012	7480.52	1092.195	-211.1998	214.6902	1102.76	1102.76	1073.339	1068.339	10.74102	10.74102	0
9	38	139.6222	701.4142	7480.52	1092.034	-273.242	214.6902	1102.021	1102.021	1072.907	1067.907	12.2964	12.2964	0
9	39	150.4835	690.6258	7480.52	1091.812	-273.242	214.6902	1095.671	1095.671	1072.866	1067.866	13.2527	13.2527	0
9	40	212.1755	300.1892	11220.78	1091.555	-409.863	322.0352	1091.388	1091.388	1073.26	1068.26	12.27032	12.27032	0
9	41	218.2579	251.5391	14961.04	1090.715	-546.484	429.3803	1090.443	1090.443	1073.235	1068.235	10.1	10.1	0
9	42	179.2871	189.1769	14961.04	1088.62	-546.484	429.3803	1087.236	1087.236	1074.987	1069.987	10.1	10.1	0
9	43	96.85535	126.8547	14961.04	1084.627	-546.484	80000	1084.6	1083.6	1077.38	1072.38	8.284437	8.284437	14
9	44	80.23021	83.45281	14961.04	1084.516	-546.484	80000	1084.5	1083.5	1078.964	1073.964	5.943027	5.943027	14
9	45	60.44096	60.38353	14961.04	1084.512	-18.23998	80000	1084.5	1084.5	1081.667	1076.667	1.753949	1.753949	14
9	46	61.91209	57.35483	14961.04	1088.651	-18.23998	429.3803	1088.262	1088.262	1084.285	1079.285	1.650339	1.650339	0
9	47	56.37843	50.65321	14961.04	1089.19	-18.23998	429.3803	1089.915	1089.915	1086.657	1081.657	.883341	.883341	0
9	48	47.77326	47.94157	29922.08	1085.503	-35.03998	80000	1085.5	1084.5	1089.445	1084.445	.916719	.916719	11
9	49	47.72562	48.2948	29922.08	1086.502	-35.03998	80000	1086.5	1085.5	1091.209	1086.209	.94	.94	11
9	50	48.3668	48.66025	29922.08	1088.795	-18.23998	429.3803	1109.19	1109.19	1092.749	1087.749	.94	.94	0
9	51	48.35341	48.86707	29922.08	1089.503	-27.35998	80000	1089.5	1088.5	1094.072	1089.072	.94	.94	11
9	52	48.76298	50.88984	29922.08	1091.004	-54.71994	80000	1091	1090	1095.028	1090.028	.94	.94	11
9	53	52.04943	54.51607	29922.08	1094.006	-72.9599	80000	1094	1094	1094.328	1089.328	.94	.94	11
9	54	55.7044	60.90453	14961.04	1097.914	-72.9599	429.3803	1096.441	1096.441	1093.99	1088.99	.94	.94	0
9	55	65.34271	69.7962	14961.04	1107.367	-140.1599	429.3803	1109.325	1109.325	1094.03	1089.03	.94	.94	0
9	56	73.33499	77.57988	14961.04	1114.373	-140.1599	429.3803	1116.41	1116.41	1090.824	1085.824	.94	.94	0
9	57	79.50257	83.52068	14961.04	1119.744	-140.1599	429.3803	1120.755	1120.755	1088.643	1083.643	.94	.94	0
9	58	83.21116	86.42255	14961.04	1123.627	-140.1599	429.3803	1123.503	1123.503	1086.463	1081.463	.94	.94	0
9	59	85.94688	87.52912	14961.04	1126.738	-140.1599	429.3803	1126.173	1126.173	1089.698	1084.698	.94	.94	0
9	60	87.7348	88.40986	14961.04	1129.756	-140.1599	429.3803	1130.748	1130.748	1091.323	1086.323	.94	.94	0
9	61	89.39365	88.15754	14961.04	1130.71	-140.1599	429.3803	1137.287	1137.287	1092.4	1087.4	.94	.94	0
9	62	82.7446	85.94141	14961.04	1129.762	-140.1599	429.3803	1145.461	1145.461	1091.607	1086.607	.932981	.932981	0
9	63	77.77277	82.70142	14961.04	1126.857	-140.1599	429.3803	1149.668	1149.668	1090.97	1085.97	.89465	.89465	0
9	64	74.35966	81.36963	14961.04	1121.907	-140.1599	80000	1121.9	1120.9	1090.803	1085.803	.94037	.94037	20
10	1	10038.07	6728.007	14961.04	1124.801	-46.71995	80000	1125.3	1124.3	979.9918	974.9918	45.4	45.4	19
10	2	9748.635	6545.43	14961.04	1120.515	-46.71995	429.3803	1128.125	1128.125	980.0001	975.0001	45.40001	45.40001	0
10	3	9486.6	6325.495	14961.04	1116.775	-46.71995	429.3803	1127.573	1127.573	980.0091	975.0091	45.40001	45.40001	0
10	4	8995.732	6075.497	14961.04	1113.38	-46.71995	429.3803	1127.096	1127.096	982.5673	977.5673	45.4	45.4	0
10	5	8595.272	5833.325	14961.04	1110.254	-46.71995	429.3803	1124.867	1124.867	984.5232	979.5232	45.40001	45.40001	0
10	6	8211.918	5570.605	14961.04	1107.358	-46.71995	429.3803	1134.68	1134.68	987.2354	982.2354	45.4	45.4	0
10	7	7802.009	5346.49	14961.04	1104.649	-24.31997	429.3803	1142.307	1142.307	990.5196	985.5196	45.4	45.4	0
10	8	7535.025	5163.076	14961.04	1102.079	-18.23998	429.3803	1142.081	1142.081	991.8503	986.8503	45.40001	45.40001	0
10	9	7237.792	4949.882	14961.04	1099.6	-12.15999	429.3803	1141.544	1141.544	993.5643	988.5643	45.4	45.4	0
10	10	6905.075	4709.902	14961.04	1097.113	-12.15999	429.3803	1138.469	1138.469	996.2963	991.2963	45.4	45.4	0
10	11	10858.83	4485.398	14961.04	1094.525	-12.15999	429.3803	1135.175	1135.175	999.0867	994.0867	45.4	45.4	0
10	12	10364.51	4252.667	14961.04	1092.818	-12.15999	429.3803	1127.938	1127.938	1001.917	996.917	45.40001	45.40001	0

10	13	9812.135	4007.208	14961.04	1091.37	-12.15999	429.3803	1125.492	1125.492	1006.216	1001.216	45.4	45.4	0
10	14	9237.869	3375.183	14961.04	1089.962	-12.15999	429.3803	1122.021	1122.021	1010.465	1005.465	45.69628	45.69628	0
10	15	8209.331	2725.879	14961.04	1088.684	-12.15999	429.3803	1119.514	1119.514	1015.228	1010.228	36.03347	36.03347	0
10	16	6452.779	2672.99	14961.04	1087.686	-9.119992	429.3803	1113.833	1113.833	1019.39	1014.39	34.93713	34.93713	0
10	17	5086.205	2892.295	14961.04	1087.329	0	429.3803	1114.265	1114.265	1026.088	1021.088	41.04673	41.04673	0
	18	4897.296	6425.834	11220.78	1086.859	0	322.0352	1103.732	1103.732	1029.383	1024.383	47.97447	47.97447	0
10	19	1678.188	6925.25	7480.52	1086.698	0	214.6902	1095.911	1095.911	1033.258	1028.258	57.47317	57.47317	0
10	20	1214.282	7008.597	7480.52	1086.244	0	214.6902	1090.924	1090.924	1039.736	1034.736	71.30446	35.65223	0
10	21	1217.853	6255.871	7480.52	1085.343	0	40000	1085.1	1084.1	1043.184	1038.184	77.02826	38.51413	15
10	22	966.8305	5413.459	7480.52	1085.198	0	40000	1085.1	1084.1	1047.476	1042.476	68.12454	34.06227	15
10	23	696.891	5257.628	7480.52	1085.094	0	40000	1085	1084	1051.101	1046.101	71.13527	35.56763	15
10	24	693.4936	5266.447	7480.52	1085.078	0	40000	1085	1084	1054.866	1049.866	78.95467	39.47734	15
10	25	697.3354	4794.676	7480.52	1085.074	0	40000	1085	1084	1057.834	1052.834	87.53462	43.76731	15
10	26	567.8301	3739.971	7480.52	1085.063	0	40000	1085	1084	1064.089	1059.089	89.84438	44.92219	15
1	27	421.2909	2663.012	7480.52	1085.051	0	40000	1085	1084	1068.566	1063.566	81.45133	40.72567	15
10	28	288.8665	1780.42	7480.52	1085.04	0	40000	1085	1084	1071.226	1066.226	63.17154	31.58577	15
10	29	194.3091	1172.228	7480.52	1084.94	0	40000	1084.9	1083.9	1072.16	1067.16	43.39059	21.6953	15
10	30	668.1967	790.0875	7480.52	1084.931	0	40000	1084.9	1084.9	1073.036	1068.036	29.31845	14.65923	15
10	31	105.3134	548.9797	7480.52	1084.925	0	40000	1084.9	1083.9	1073.864	1068.864	20.68531	10.34266	15
10	32	623.8547	354.236	7480.52	1084.918	0	40000	1084.9	1083.9	1075.23	1070.23	14.80627	7.403135	15
10	33	45.37417	252.4796	7480.52	1084.815	0	40000	1084.8	1083.8	1076.728	1071.728	8.044706	4.022353	15
1	34	43.30425	253.346	7480.52	1084.816	0	40000	1084.8	1083.8	1076.579	1071.579	7.30291	3.651455	15
10	35	45.68211	271.7968	7480.52	1084.956	0	4000	1084.8	1083.8	1075.909	1070.909	7.465687	3.732843	15
10	36	49.21495	323.8488	7480.52	1084.979	0	4000	1084.8	1083.8	1076.014	1071.014	8.458719	4.22936	15
1	37	61.42348	400.663	7480.52	1085.009	0	4000	1084.8	1083.8	1074.478	1069.478	10.63358	5.31679	15
10	38	73.31973	459.0088	7480.52	1084.954	0	4000	1084.7	1083.7	1074.204	1069.204	13.14583	6.572915	15
10	39	81.87378	477.1097	7480.52	1084.964	0	4000	1084.7	1083.7	1074.597	1069.597	15.30089	7.650445	15
10	40	122.4389	200.9694	11220.78	1085.034	0	4000	1084.7	1083.7	1073.329	1068.329	13.54859	6.774295	14
1	41	116.9835	146.006	14961.04	1084.954	0	4000	1084.6	1083.6	1075.565	1070.565	10.22036	5.11018	14
10	42	89.45389	86.96553	14961.04	1084.637	0	40000	1084.6	1083.6	1076.515	1071.515	7.707262	3.853631	14
	43	53.32712	50.23087	14961.04	1084.623	0	40000	1084.6	1083.6	1078.068	1073.068	.251191	.251191	14
	44	60.49694	57.21836	14961.04	1089.132	-18.23998	429.3803	1087.505	1087.505	1080.183	1075.183	.546737	.546737	0
1	45	66.03444	61.96952	14961.04	1096.408	-316.7996	429.3803	1106.361	1106.361	1083.338	1078.338	.872727	.872727	0
10	46	65.96848	60.93569	14961.04	1098.892	-316.7996	429.3803	1102.863	1102.863	1086.188	1081.188	.89623	.89623	0
1	47	63.08313	53.49848	14961.04	1096.991	-316.7996	429.3803	1102.548	1102.548	1088.649	1083.649	.943356	.943356	0
1	48	53.74419	47.55731	299.2208	1085.918	-18.23998	80000	1085.9	1084.9	1091.224	1086.224	.94	.94	11
10	49	52.34718	47.79762	299.2208	1087.008	-18.23998	80000	1087	1086	1093.024	1088.024	.94	.94	11
10	50	51.20252	48.05995	299.2208	1088.207	-18.23998	80000	1088.2	1087.2	1094.818	1089.818	.94	.94	11
1	51	52.05968	48.24932	299.2208	1089.507	-27.35998	80000	1089.5	1089.5	1095.973	1090.973	.94	.94	11
1	52	51.98134	49.92257	299.2208	1090.01	-54.71994	80000	1090	1089	1097.164	1092.164	.94	.94	11
10	53	55.30173	53.23777	29922.08	1094.004	-72.9599	80000	1094	1093	1095.714	1090.714	.94	.94	11
1	54	55.47869	60.14258	14961.04	1096.007	-72.9599	80000	1096	1095	1093.649	1088.649	.94	.94	11
1	55	61.71203	68.88151	14961.04	1103.766	-72.9599	429.3803	1110.975	1110.975	1089.366	1084.366	.94	.94	0
10	56	68.909	75.25769	14961.04	1111.488	-140.1599	429.3803	1116.829	1116.829	1089.641	1084.641	.94	.94	0
1	57	75.34129	79.19305	14961.04	1117.911	-140.1599	429.3803	1120.437	1120.437	1090.111	1085.111	.94	.94	0
1	58	80.19261	82.7355	14961.04	1122.811	-140.1599	429.3803	1122.455	1122.455	1093.44	1088.44	.94	.94	0
10	59	83.03757	86.15257	14961.04	1127.373	-140.1599	429.3803	1130.681	1130.681	1092.589	1087.589	.94	.94	0
10	60	83.22416	88.7186	14961.04	1130.431	-140.1599	429.3803	1136.365	1136.365	1092.335	1087.335	.913667	.913667	0
1	61	81.4123	83.98071	14961.04	1131.608	-140.1599	429.3803	1141.519	1141.519	1090.994	1085.994	.939699	.939699	0
1	62	75.05378	74.57596	14961.04	1130.793	-140.1599	429.3803	1147.3	1147.3	1090.389	1085.389	.667533	.667533	0
10	63	71.04518	69.43102	14961.04	1127.692	-140.1599	429.3803	1151.065	1151.065	1089.701	1084.701	.565829	.565829	0
	64	67.44904	67.34969	14961.04	1122.207	-140.1599	80000	1122.2	1121.2	1089.101	1084.101	.53243	.53243	20
1	1	13200.46	13058.7	14961.04	1123.167	-46.71995	80000	1123.8	1122.8	980	975	90.8	45.4	19
11	2	12790.45	12689.81	14961.04	1119.048	-46.71995	429.3803	1128.396	1128.396	980.1105	975.1105	90.8	45.4	0
11	3	12414.32	12156.84	14961.04	1115.115	-46.71995	429.3803	1127.506	1127.506	980.0748	975.0748	90.8	45.4	0
	4	11681.96	11515.51	14961.04	1111.465	-46.71995	429.3803	1125.275	1125.275	984.2776	979.2776	90.8	45.4	0
	5	11097.46	10973.87	14961.04	1108.09	-46.71995	429.3803	1122.755	1122.755	987.1931	982.1931	90.80002	45.40001	0
11	6	10573.63	10443.32	14961.04	1104.991	-46.71995	429.3803	1133.368	1133.368	989.7471	984.7471	90.80002	45.40001	0
	7	10037.08	9990.543	14961.04	1102.122	-18.23998	429.3803	1146.594	1146.594	992.9242	987.9242	90.8	45.4	0
	8	9667.803	9609.74	14961.04	1099.428	-12.15999	429.3803	1144.66	1144.66	994.167	989.167	90.8	45.4	0

11	9	9262.875	9192.984	14961.04	1096.83	-12.15999	429.3803	1144.614	1144.614	996.0266	991.0266	90.8	45.4	0
1	10	8843.899	13054	14961.04	1094.158	-12.15999	429.3803	1141.601	1141.601	998.0851	993.0851	90.8	45.4	0
1	11	16907.46	16737.94	14961.04	1092.099	-12.15999	429.3803	1137.27	1137.27	1000.431	995.4308	181.6	90.80002	0
11	12	16148.93	15923.98	14961.04	1090.68	-12.15999	429.3803	1127.241	1127.241	1003.327	998.3271	181.6	90.8	0
1	13	15306.55	15042.8	14961.04	1089.384	-12.15999	429.3803	1124.573	1124.573	1006.687	1001.687	181.6	90.8	0
	14	14449.53	14072.02	14961.04	1088.083	-12.15999	429.3803	1126.235	1126.235	1010.443	1005.443	181.6	90.8	0
1	15	13431.25	11936.23	14961.04	1086.855	0	429.3803	1116.804	1116.804	1015.208	1010.208	182.4543	91.22716	0
1	16	10796.67	8865.994	14961.04	1085.523	0	80000	1085.2	1084.2	1020.142	1015.142	151.4379	75.71894	16
1	17	8268.537	8723.639	14961.04	1085.339	0	80000	1085.2	1084.2	1026.056	1021.056	114.8949	114.8949	15
1	18	8662.152	13346.38	11220.78	1085.312	0	60000	1085.2	1084.2	1029.307	1024.307	163.8102	163.8102	15
11	19	1894.919	4644.631	7480.52	1085.205	0	40000	1085.1	1084.1	1033.165	1028.165	57.56275	57.56275	15
1	20	751.747	2719.943	7480.52	1085.15	0	40000	1085.1	1084.1	1039.854	1034.854	27.33117	10.24919	15
1	21	781.9047	2482.862	7480.52	1085.139	0	40000	1085.1	1084.1	1043.42	1038.42	31.11743	11.66903	15
11	22	621.6237	1241.427	7480.52	1085.371	-105.5999	214.6902	1085.5	1085.5	1048.82	1043.82	27.33195	10.24948	0
1	23	84.08546	303.9104	7480.52	1085.398	-105.5999	214.6902	1085.378	1085.378	1052.508	1047.508	3.234092	1.364383	0
1	24	81.82362	296.8693	7480.52	1085.5	-105.5999	214.6902	1085.5	1085.5	1056.839	1051.839	3.60923	1.522645	0
11	25	75.1147	265.9861	7480.52	1085.55	-105.5999	214.6902	1085.5	1085.5	1060.235	1055.235	3.811465	1.607962	0
11	26	60.61154	216.5132	7480.52	1085.574	-105.5999	214.6902	1085.378	1085.378	1065.434	1060.434	3.522335	1.485983	0
1	27	48.72086	177.617	7480.52	1085.632	-105.5999	214.6902	1085.5	1085.5	1069.163	1064.163	2.862385	1.207569	0
1	28	44.11855	152.2826	7480.52	1085.642	-105.5999	214.6902	1085.5	1085.5	1070.832	1065.832	2.266114	.9560165	0
11	29	39.38897	2277.795	7480.52	1085.163	-158.3998	214.6902	1085.378	1085.378	1070.239	1065.239	1.62139	.6840245	0
	30	1100.276	2303.953	7480.52	1085.012	0	40000	1084.9	1083.9	1071.823	1066.823	.9644115	.406861	15
	31	52.86351	2367.693	7480.52	1084.916	0	40000	1084.9	1083.9	1073.825	1068.825	4.016921	1.694638	15
11	32	1144.604	2322.68	7480.52	1084.994	0	40000	1084.9	1083.9	1077.607	1072.607	1.809494	.7633808	15
1	33	25.22534	102.2341	7480.52	1084.813	0	40000	1084.8	1083.8	1079.939	1074.939	.963039	.4062821	15
	34	24.80061	102.5995	7480.52	1084.802	0	40000	1084.8	1083.8	1079.83	1074.83	.7424846	.3132356	15
1	35	25.85539	107.7914	7480.52	1084.82	0	4000	1084.8	1083.8	1079.055	1074.055	.9240338	.3898268	15
11	36	25.50566	118.705	7480.52	1084.959	0	400	1084.8	1083.8	1078.786	1073.786	1.288072	.5434054	15
	37	27.36911	138.3098	7480.52	1084.984	0	400	1084.8	1083.8	1077.435	1072.435	1.91846	.8093505	15
	38	30.37205	161.7652	7480.52	1084.938	0	400	1084.7	1083.7	1076.428	1071.428	2.89748	1.222375	15
	39	33.23204	176.8891	7480.52	1084.949	0	400	1084.7	1083.7	1076.943	1071.943	4.160858	1.755362	15
	40	51.11928	79.26591	11220.78	1085.053	0	400	1084.7	1083.7	1077.251	1072.251	4.612976	1.946099	14
	41	63.39541	60.43139	14961.04	1086.557	0	400	1084.6	1083.6	1076.837	1071.837	2.008016	.8471317	14
11	42	50.4381	55.81548	14961.04	1092.606	-36.47998	429.3803	1096.5	1096.5	1078.307	1073.307	.4771402	.2012936	0
11	43	66.02122	63.59319	14961.04	1097.525	-27.35998	429.3803	1096.638	1096.638	1080.162	1075.162	.618152	.618152	0
	44	73.02438	69.31302	14961.04	1103.363	-316.7996	429.3803	1113.643	1113.643	1081.956	1076.956	.856525	.856525	0
1	45	72.86302	70.03339	14961.04	1106.472	-316.7996	429.3803	1117.927	1117.927	1085.737	1080.737	.936149	.936149	0
11	46	71.96048	68.11591	14961.04	1107.79	-316.7996	429.3803	1112.841	1112.841	1088.704	1083.704	.94	.94	0
	47	69.5444	63.32884	14961.04	1106.496	-316.7996	429.3803	1110.054	1110.054	1091.159	1086.159	.94	.94	0
	48	63.91857	58.53407	14961.04	1101.415	-18.23998	429.3803	1107.01	1107.01	1093.612	1088.612	.94	.94	0
11	49	61.18371	55.75209	14961.04	1099.561	-18.23998	429.3803	1104.028	1104.028	1095.366	1090.366	.94	.94	0
	50	59.00278	55.20226	14961.04	1098.251	-18.23998	429.3803	1097.523	1097.523	1097.157	1092.157	.94	.94	0
	51	60.38248	55.7917	14961.04	1100.11	-27.35998	429.3803	1103.393	1103.393	1097.577	1092.577	.94	.94	0
11	52	61.25503	57.3605	14961.04	1100.955	-54.71994	429.3803	1111.085	1111.085	1099.024	1094.024	.94	.94	0
11	53	62.78788	57.54266	14961.04	1100.556	-72.9599	429.3803	1103.741	1103.741	1093.852	1088.852	.94	.94	0
	54	59.71827	57.04814	14961.04	1096.012	-72.9599	80000	1096	1095	1092.16	1087.16	.94	.94	11
1	55	57.63492	61.73952	14961.04	1097.713	-72.9599	80000	1097.7	1096.7	1091.546	1086.546	.94	.94	11
11	56	61.77385	68.99261	14961.04	1107.087	-140.1599	429.3803	1116.053	1116.053	1093.568	1088.568	.94	.94	0
	57	70.08914	76.34086	14961.04	1115.38	-140.1599	429.3803	1121.918	1121.918	1093.792	1088.792	.922665	.922665	0
	58	75.87049	80.49469	14961.04	1122.258	-140.1599	429.3803	1126.52	1126.52	1093.018	1088.018	.941029	.941029	0
11	59	77.12127	80.10916	14961.04	1127.713	-140.1599	429.3803	1132.411	1132.411	1092.391	1087.391	.821731	.821731	0
1	60	76.49194	75.91786	14961.04	1131.371	-140.1599	429.3803	1137.154	1137.154	1091.786	1086.786	.711193	.711193	0
	61	73.03259	72.48537	14961.04	1132.997	-140.1599	429.3803	1141.919	1141.919	1091.099	1086.099	.533552	.533552	0
11	62	72.72399	71.52299	14961.04	1132.231	-140.1599	429.3803	1147.66	1147.66	1090.156	1085.156	.535019	.535019	0
11	63	70.36914	69.0632	14961.04	1128.739	-140.1599	429.3803	1151.301	1151.301	1089.469	1084.469	.529482	.529482	0
	64	66.2702	67.54838	14961.04	1122.407	-140.1599	80000	1122.4	1121.4	1088.903	1083.903	.533157	.533157	20
1	1	26243.87	9699.159	11220.78	1122.155	-46.71995	60000	1122.9	1121.9	980.0943	975.0943	90.8	45.4	19
12	2	25334.83	9386.223	11220.78	1117.625	-46.71995	322.0352	1128.494	1128.494	980.3677	975.3677	90.80002	45.40001	0
	3	24506.48	8954.576	11220.78	1113.396	-46.71995	322.0352	1127.547	1127.547	980.5274	975.5274	90.80002	45.40001	0
	4	22989.94	8447.932	11220.78	1109.516	-24.31997	322.0352	1126.999	1126.999	984.9474	979.9474	90.8	45.4	0

12	5	21793.3	8022.917	11220.78	1105.97	-24.31997	322.0352	1125.164	1125.164	987.9992	982.9992	90.80002	45.40001	0
1?	6	20705.53	7625.543	11220.78	1102.767	-18.23998	322.0352	1135.869	1135.869	990.694	985.694	90.8	45.4	0
1?	7	19635.32	7285.756	11220.78	1099.85	-12.15999	322.0352	1146.241	1146.241	993.562	988.562	90.8	45.4	0
12	8	18887.5	6990.702	11220.78	1097.16	-12.15999	322.0352	1145.718	1145.718	995.0765	990.0765	90.80002	45.40001	0
1?	9	18117.53	6685.342	11220.78	1094.619	-12.15999	322.0352	1144.545	1144.545	997.0036	992.0036	90.8	45.4	0
	10	17279.14	9523.02	11220.78	1092.112	-12.15999	322.0352	1143.466	1143.466	999.0041	994.0041	90.8	45.4	0
1?	11	33094.94	12238.84	11220.78	1090.357	-12.15999	322.0352	1139.436	1139.436	1001.135	996.1346	181.6	90.8	0
12	12	31631.64	11648.63	11220.78	1089.112	-12.15999	322.0352	1125.104	1125.104	1003.934	998.9342	181.6	90.80002	0
1?	13	30109.08	11034.97	11220.78	1088.042	0	322.0352	1125.593	1125.593	1007.494	1002.494	181.6	90.8	0
1?	14	28435.75	10356.57	11220.78	1086.721	0	322.0352	1117.24	1117.24	1010.562	1005.562	181.6	90.8	0
12	15	26563.13	9218.762	11220.78	1085.635	0	60000	1085.3	1084.3	1015.352	1010.352	182.3342	91.16708	16
1?	16	23070.84	7649.407	11220.78	1085.306	0	60000	1085.2	1084.2	1020.185	1015.185	166.3442	83.17212	16
1?	17	19279.2	8320.826	11220.78	1085.29	-105.5999	60000	1085.2	1084.2	1026.088	1021.088	141.4844	141.4844	15
12	18	20676.95	12999.28	8415.585	1085.348	-105.5999	45000	1085.2	1084.2	1029.383	1024.383	213.8432	213.8432	15
1?	19	4454.974	4456.526	5610.39	1085.479	-105.5999	161.0176	1085.42	1085.42	1033.258	1028.258	73.84835	73.84835	0
1?	20	1786.666	2560.998	5610.39	1085.707	-105.5999	161.0176	1085.258	1085.258	1039.862	1034.862	34.45789	12.92171	0
12	21	1841.026	2348.439	5610.39	1086.04	-105.5999	161.0176	1086.347	1086.347	1043.754	1038.754	38.40671	14.40252	0
12	22	1514.058	1186.057	5610.39	1086.343	-105.5999	161.0176	1087.833	1087.833	1048.781	1043.781	34.46179	12.92317	0
1?	23	195.197	269.7945	5610.39	1086.732	-105.5999	161.0176	1088.558	1088.558	1053.392	1048.392	4.068317	1.716321	0
1?	24	186.8797	248.163	5610.39	1087.992	-105.5999	161.0176	1088.616	1088.616	1058.603	1053.603	4.295457	1.812147	0
12	25	161.7782	207.6891	5610.39	1088.81	-105.5999	161.0176	1088.616	1088.616	1063.185	1058.185	4.08609	1.72382	0
1?	26	126.9659	165.6123	5610.39	1089.211	-105.5999	161.0176	1088.664	1088.664	1067.874	1062.874	3.386018	1.428475	0
1?	27	104.3116	145.3055	5610.39	1089.292	-105.5999	161.0176	1088.198	1088.198	1071.725	1066.725	2.816988	1.188416	0
12	28	99.59617	136.3107	5610.39	1089.568	-158.3998	161.0176	1088.969	1088.969	1071.362	1066.362	2.53914	1.071198	0
12	29	96.70734	1710.647	5610.39	1089.15	-204.9315	161.0176	1088.594	1088.594	1069.214	1064.214	1.994393	.841385	0
1?	30	2191.75	1731.452	5610.39	1089.026	-204.9315	161.0176	1085.686	1085.686	1069.962	1064.962	1.012792	.4272712	0
12	31	128.3127	1816.634	5610.39	1088.849	-204.9315	161.0176	1085.433	1085.433	1074.103	1069.103	4.196873	1.770556	0
12	32	2326.99	1767.479	5610.39	1088.846	-204.9315	161.0176	1085.394	1085.394	1081.611	1076.611	1.235906	.5213977	0
1?	33	49.63759	73.40228	5610.39	1088.615	-204.9315	161.0176	1085.331	1085.331	1083.944	1078.944	.4531204	.1911601	0
1?	34	49.90219	75.01839	5610.39	1087.323	-204.9315	161.0176	1085.273	1085.273	1082.158	1077.158	.4440848	.1873481	0
	35	52.19668	73.23956	5610.39	1087.144	-204.9315	161.0176	1085.323	1085.323	1080.854	1075.854	.6983554	.2946188	0
	36	46.51859	69.59558	5610.39	1087.894	-204.9315	30	1084.8	1083.8	1080.178	1075.178	.1	.1	15
1?	37	46.38795	69.49112	5610.39	1087.97	-204.9315	30	1084.8	1083.8	1078.985	1073.985	.1	.1	15
12	38	46.39043	69.48836	5610.39	1087.757	-204.9315	30	1084.7	1083.7	1079.035	1074.035	.1	.1	15
12	39	46.38318	69.26786	5610.39	1087.41	-204.9315	30	1084.7	1083.7	1079.46	1074.46	.1	.1	15
1?	40	69.32797	39.21641	8415.585	1085.888	-307.3973	241.5264	1081.462	1081.462	1078.062	1073.062	.1	.1	0
1?	41	106.2488	40.05159	11220.78	1097.978	-36.47998	322.0352	1106.5	1106.5	1077.451	1072.451	.6157091	.2597524	0
12	42	98.15719	45.48289	11220.78	1107.821	-409.863	322.0352	1108.5	1108.5	1079.876	1074.876	.1041069	4.392011E-02	0
1?	43	151.3015	56.58932	11220.78	1111.833	-409.863	322.0352	1124.292	1124.292	1081.894	1076.894	.786752	.786752	0
1?	44	157.4852	57.43079	11220.78	1112.947	-316.7996	322.0352	1122.791	1122.791	1084.023	1079.023	.939613	.939613	0
12	45	150.4111	56.09259	11220.78	1112.936	-316.7996	322.0352	1114.943	1114.943	1087.534	1082.534	.938966	.938966	0
12	46	149.2234	55.04173	11220.78	1114.05	-316.7996	322.0352	1114.286	1114.286	1090.352	1085.352	.94	.94	0
1?	47	146.6092	52.60061	11220.78	1113.921	-316.7996	322.0352	1114.435	1114.435	1092.687	1087.687	.94	.94	0
12	48	138.3209	49.92616	11220.78	1110.82	-18.23998	322.0352	1114.891	1114.891	1095.115	1090.115	.94	.94	0
12	49	133.9771	48.32581	11220.78	1109.423	-18.23998	322.0352	1113.201	1113.201	1096.668	1091.668	.94	.94	0
1?	50	131.0193	48.13726	11220.78	1108.973	-18.23998	322.0352	1110.37	1110.37	1098.581	1093.581	.94	.94	0
1?	51	133.6582	49.38436	11220.78	1109.718	-27.35998	322.0352	1111.232	1111.232	1097.733	1092.733	.94	.94	0
12	52	137.722	50.0118	11220.78	1110.492	-54.71994	322.0352	1116.166	1116.166	1095.978	1090.978	.94	.94	0
1?	53	136.6471	48.72262	11220.78	1108.964	-54.71994	322.0352	1114.073	1114.073	1094.467	1089.467	.94	.94	0
1?	54	129.9368	45.22879	11220.78	1105.086	-72.9599	322.0352	1109.689	1109.689	1093.725	1088.725	.94	.94	0
12	55	115.0904	43.25194	11220.78	1099.507	-140.1599	60000	1099.5	1098.5	1095.063	1090.063	.940822	.940822	11
1?	56	115.8077	47.15279	11220.78	1100.018	-140.1599	60000	1100	1099	1094.438	1089.438	.941211	.941211	11
1?	57	131.6297	52.21408	11220.78	1111.331	-140.1599	322.0352	1122.402	1122.402	1094.072	1089.072	.875869	.875869	0
12	58	136.522	54.3728	11220.78	1120.959	-140.1599	322.0352	1130.259	1130.259	1093.155	1088.155	.723234	.723234	0
12	59	144.5692	55.12803	11220.78	1128.157	-140.1599	322.0352	1131.603	1131.603	1092.431	1087.431	.628523	.628523	0
	60	146.386	55.20499	11220.78	1132.778	-140.1599	322.0352	1135.75	1135.75	1091.779	1086.779	.565829	.565829	0
.	61	147.7892	54.95341	11220.78	1135.077	-140.1599	322.0352	1141.359	1141.359	1091.099	1086.099	.53253	.53253	0
12	62	145.6609	53.6776	11220.78	1134.459	-140.1599	322.0352	1145.961	1145.961	1090.124	1085.124	.521026	.521026	0
1?	63	139.5458	50.6821	11220.78	1130.469	-140.1599	322.0352	1149.774	1149.774	1089.416	1084.416	.500155	.500155	0
1.	64	127.6371	48.74401	11220.78	1122.609	-140.1599	60000	1122.6	1121.6	1088.851	1083.851	.463992	.463992	20

13	1	52385.34	4821.427	5610.39	1121.615	-46.71995	30000	1122.8	1121.8	980.1788	975.1788	90.8	45.4	19
1	2	50371.13	4652.134	5610.39	1116.736	-46.71995	161.0176	1128.556	1128.556	980.5091	975.5091	90.8	45.4	0
13	3	48631.84	4428.29	5610.39	1112.321	-46.71995	161.0176	1127.723	1127.723	980.8303	975.8303	90.8	45.4	0
13	4	45536.88	4172.893	5610.39	1108.316	-24.31997	161.0176	1127.682	1127.682	985.2487	980.2487	90.8	45.4	0
1	5	43077.32	3957.073	5610.39	1104.694	-18.23998	161.0176	1127.974	1127.974	988.2228	983.2228	90.80002	45.40001	0
1	6	40895.03	3751.137	5610.39	1101.463	-12.15999	161.0176	1137.089	1137.089	991.0859	986.0859	90.80002	45.40001	0
13	7	38690.48	3580.151	5610.39	1098.552	-12.15999	161.0176	1143.702	1143.702	994.1909	989.1909	90.8	45.4	0
13	8	37262.3	3443.093	5610.39	1095.902	-12.15999	161.0176	1145.995	1145.995	995.5788	990.5788	90.8	45.4	0
1	9	35773.33	3294.204	5610.39	1093.432	-12.15999	161.0176	1145.044	1145.044	997.1269	992.1269	90.8	45.4	0
13	10	34077.54	4683.63	5610.39	1091.06	-12.15999	161.0176	1144.185	1144.185	999.4907	994.4907	90.8	45.4	0
13	11	65226.6	6016.813	5610.39	1089.421	-12.15999	161.0176	1143.088	1143.088	1001.719	996.7186	181.6	90.80002	0
1	12	243668.5	5752.069	5610.39	1088.224	-12.15999	161.0176	1127.787	1127.787	1004.541	999.5411	181.6	90.8	0
1	13	59847.35	5459.671	5610.39	1087.43	0	161.0176	1126.817	1126.817	1007.509	1002.509	181.6	90.8	0
13	14	56239.05	5134.003	5610.39	1085.912	0	30000	1085.3	1084.3	1010.824	1005.824	181.6	90.8	16
13	15	52929.2	4696.988	5610.39	1085.466	0	30000	1085.3	1084.3	1015.426	1010.426	182.3707	91.18534	16
1	16	48172.18	4115.928	5610.39	1085.353	-158.3998	30000	1085.2	1085.2	1020.232	1015.232	173.8705	86.93524	16
13	17	42700.36	4623.673	5610.39	1085.515	-105.5999	161.0176	1085.5	1085.5	1026.056	1021.056	157.1197	157.1197	0
13	18	45070.13	7180.063	4207.792	1085.619	-105.5999	120.7632	1085.584	1085.584	1029.307	1024.307	235.896	235.896	0
1	19	9454.682	2452.967	2805.195	1085.728	-102.4658	80.50881	1085.936	1085.936	1033.218	1028.218	80.2233	80.2233	0
13	20	3870.345	1440.27	2805.195	1086.015	-102.4658	80.50881	1086.614	1086.614	1039.384	1034.384	36.83318	27.62488	0
13	21	3898.612	1342.094	2805.195	1086.444	-102.4658	80.50881	1088.757	1088.757	1043.314	1038.314	40.76382	30.57287	0
1	22	3430.257	688.9128	2805.195	1086.838	-102.4658	80.50881	1091.003	1091.003	1048.796	1043.796	38.09212	28.56911	0
1	23	424.8434	151.6603	2805.195	1087.386	-102.4658	80.50881	1092.057	1092.057	1054.59	1049.59	4.506655	3.80249	0
13	24	399.3791	137.4119	2805.195	1089.254	-102.4658	80.50881	1091.944	1091.944	1059.532	1054.532	4.62479	3.902168	0
13	25	336.9952	112.7135	2805.195	1090.604	-102.4658	80.50881	1091.977	1091.977	1064.727	1059.727	4.209942	3.55214	0
1	26	263.1881	90.65197	2805.195	1091.363	-102.4658	80.50881	1091.639	1091.639	1069.121	1064.121	3.367245	2.84111	0
13	27	217.788	80.27808	2805.195	1091.42	-102.4658	80.50881	1090.184	1090.184	1072.002	1067.002	2.806468	2.367958	0
13	28	205.0853	79.0723	2805.195	1091.664	-102.4658	80.50881	1091.39	1091.39	1073.015	1068.015	2.650835	2.236643	0
1	29	223.9444	861.02	2805.195	1091.353	-102.4658	80.50881	1091.023	1091.023	1068.82	1063.82	2.384701	2.012093	0
1	30	4379.941	874.3213	2805.195	1091.239	-102.4658	80.50881	1086.776	1086.776	1068.282	1063.282	1.277737	1.078092	0
	31	287.801	933.1595	2805.195	1090.994	-102.4658	80.50881	1085.673	1085.673	1074.893	1069.893	4.829201	4.074637	0
	32	4740.5	898.7305	2805.195	1091.074	-102.4658	80.50881	1085.896	1085.896	1085.409	1080.409	1.019649	.8603287	0
1	33	102.2107	37.9537	2805.195	1090.766	-102.4658	80.50881	1086.323	1086.323	1087.207	1082.207	.4624586	.3901991	0
13	34	105.5609	39.06496	2805.195	1089.454	-102.4658	80.50881	1086.773	1086.773	1083.863	1078.863	.5116422	.4316981	0
13	35	109.1295	37.41667	2805.195	1088.681	-102.4658	80.50881	1085.987	1085.987	1082.099	1077.099	.704724	.5946109	0
1	36	93.37094	34.88212	2805.195	1088.159	-102.4658	80.50881	1085.601	1085.601	1081.024	1076.024	.1	.1	0
13	37	93.07339	34.83823	2805.195	1087.796	-102.4658	80.50881	1085.5	1085.5	1080.101	1075.101	.1	.1	0
13	38	92.97334	34.83603	2805.195	1087.366	-102.4658	80.50881	1085.337	1085.337	1080.68	1075.68	.1	.1	0
	39	93.14581	34.81744	2805.195	1088.262	-102.4658	80.50881	1085.302	1085.302	1079.624	1074.624	.1	.1	0
1	40	140.1167	17.64544	4207.792	1089.129	-36.47998	120.7632	1082.739	1082.739	1078.627	1073.627	.1	.1	0
13	41	195.4395	18.30033	5610.39	1105.202	-204.9315	161.0176	1106.5	1106.5	1078.079	1073.079	9.415334E-02	7.944188E-02	0
1	42	201.9627	24.03207	5610.39	1113.621	-204.9315	161.0176	1113.145	1113.145	1080.655	1075.655	.1241655	.1047646	0
1	43	316.9043	29.60286	5610.39	1116.157	-204.9315	161.0176	1131.665	1131.665	1082.895	1077.895	.849684	.849684	0
13	44	318.2764	29.01516	5610.39	1115.784	-204.9315	161.0176	1122.27	1122.27	1085.275	1080.275	.939434	.939434	0
13	45	298.947	28.13518	5610.39	1113.541	-204.9315	161.0176	1112.018	1112.018	1088.557	1083.557	.94	.94	0
1	46	299.1941	27.94776	5610.39	1115.412	-204.9315	161.0176	1114.64	1114.64	1091.255	1086.255	.94	.94	0
13	47	296.6918	27.12409	5610.39	1116.345	-204.9315	161.0176	1116.438	1116.438	1093.54	1088.54	.94	.94	0
13	48	283.8987	26.09278	5610.39	1114.359	-18.23998	161.0176	1117.022	1117.022	1095.922	1090.922	.94	.94	0
1	49	277.1088	25.52392	5610.39	1113.432	-18.23998	161.0176	1116.316	1116.316	1097.327	1092.327	.94	.94	0
1	50	274.155	25.55841	5610.39	1113.223	-18.23998	161.0176	1114.486	1114.486	1098.614	1093.614	.94	.94	0
13	51	278.338	26.19161	5610.39	1113.836	-27.35998	161.0176	1114.368	1114.368	1097.592	1092.592	.94	.94	0
	52	287.8847	26.4383	5610.39	1115.169	-204.9315	161.0176	1118.506	1118.506	1096.49	1091.49	.94	.94	0
	53	282.6588	25.62316	5610.39	1113.25	-105.1199	161.0176	1116.692	1116.692	1095.032	1090.032	.94	.94	0
13	54	268.2489	23.32819	5610.39	1109.183	-140.1599	161.0176	1111.181	1111.181	1094.736	1089.736	.94	.94	0
13	55	229.3489	21.66742	5610.39	1100.399	-140.1599	161.0176	1100.8	1100.8	1095.26	1090.26	.940688	.940688	0
	56	229.5064	22.81811	5610.39	1100.011	-140.1599	30000	1100	1099	1094.814	1089.814	.92245	.92245	12
	57	249.5916	24.17139	5610.39	1108.343	-140.1599	161.0176	1121.505	1121.505	1094.168	1089.168	.829396	.829396	0
13	58	258.6929	25.5182	5610.39	1120.026	-140.1599	161.0176	1125.918	1125.918	1093.219	1088.219	.533195	.533195	0
	59	282.1471	26.99009	5610.39	1128.37	-140.1599	161.0176	1130.493	1130.493	1092.456	1087.456	.573081	.573081	0
	60	289.8507	27.55534	5610.39	1133.43	-140.1599	161.0176	1134.577	1134.577	1091.775	1086.775	.538261	.538261	0

13	61	297.3472	27.54519	5610.39	1136.245	-140.1599	161.0176	1139.495	1139.495	1091.079	1086.079	.533238	.533238	0
	62	288.505	26.63747	5610.39	1135.847	-140.1599	161.0176	1145.139	1145.139	1090.104	1085.104	.500761	.500761	0
	63	274.8457	24.75575	5610.39	1131.657	-140.1599	161.0176	1149.223	1149.223	1089.39	1084.39	.471038	.471038	0
13	64	250.6028	23.49191	5610.39	1122.612	-140.1599	30000	1122.6	1121.6	1088.784	1083.784	.403071	.403071	20
	1	52276.75	3207.994	3740.26	1121.22	-24.31997	20000	1122.1	1121.1	980.1788	975.1788	91.08786	45.54393	19
	2	50139.8	3086.263	3740.26	1116.229	-24.31997	107.3451	1128.521	1128.521	980.6164	975.6164	90.8	45.4	0
	3	48318.93	2933.352	3740.26	1111.72	-24.31997	107.3451	1127.971	1127.971	980.9517	975.9517	90.8	45.4	0
14	4	45189.33	2756.459	3740.26	1107.652	-18.23998	107.3451	1128.096	1128.096	985.524	980.524	90.8	45.4	0
	5	42673.91	2610.224	3740.26	1103.994	-12.15999	107.3451	1132.216	1132.216	988.8294	983.8294	90.80002	45.40001	0
14	6	40491.96	2473.337	3740.26	1100.756	-12.15999	107.3451	1137.444	1137.444	991.5264	986.5264	90.8	45.4	0
14	7	38283.57	2360.282	3740.26	1097.857	-12.15999	107.3451	1145.837	1145.837	994.7664	989.7664	90.8	45.4	0
	8	36851.95	2269.332	3740.26	1095.237	-12.15999	107.3451	1146.504	1146.504	995.9787	990.9787	90.8	45.4	0
	9	35288.17	2169.542	3740.26	1092.811	-12.15999	107.3451	1145.833	1145.833	997.7402	992.7402	90.80002	45.40001	0
14	10	33665.2	3084.088	3740.26	1090.523	-12.15999	107.3451	1140.971	1140.971	1000.065	995.0649	90.8	45.4	0
	11	64453.83	15294.73	3740.26	1088.939	-12.15999	107.3451	1143.888	1143.888	1002.371	997.3709	181.6	90.80002	0
	12	243293.8	15135.03	3740.26	1088.097	-12.2	107.3451	1131.875	1131.875	1005.104	.004	181.6	90.8	0
14	13	59391.86	3615.619	3740.26	1087.184	-12.2	107.3451	1124.133	1124.133	1007.657	1002.657	181.6	90.8	0
14	14	55899.57	3400.346	3740.26	1085.723	-12.2	20000	1085.3	1084.3	1011.306	1006.306	181.6	90.8	16
	15	52841.2	3187.511	3740.26	1085.441	-136.621	20000	1085.3	1084.3	1015.41	1010.41	181.6083	90.80414	16
	16	52923.9	2935.582	3740.26	1085.443	-136.621	20000	1085.3	1084.3	1020.342	1015.342	181.412	90.70598	16
14	17	46282.82	3342.167	3740.26	1085.619	-105.5999	107.3451	1085.466	1085.466	1026.041	1021.041	172.7301	172.7301	0
	18	47153.99	5088.649	2805.195	1085.735	-102.4658	80.50881	1085.838	1085.838	1029.314	1024.314	252.589	252.589	0
	19	9528.916	1695.946	1870.13	1085.843	-68.3105	53.67254	1087.552	1087.552	1033.229	1028.229	82.79955	82.79955	0
14	20	3845.253	982.0594	1870.13	1086.152	-68.3105	53.67254	1090.683	1090.683	1037.273	1032.273	36.89773	27.67329	0
14	21	3815.574	937.488	1870.13	1086.632	-68.3105	53.67254	1092.589	1092.589	1042.948	1037.948	40.32634	30.24476	0
	22	3661.419	504.4998	1870.13	1087.07	-68.3105	53.67254	1092.921	1092.921	1048.967	1043.967	42.08029	31.56022	0
14	23	442.8465	104.9488	1870.13	1087.669	-68.3105	53.67254	1093.323	1093.323	1055.481	1050.481	4.895668	4.130717	0
14	24	395.3986	92.48565	1870.13	1089.835	-68.3105	53.67254	1093.17	1093.17	1060.795	1055.795	4.82497	4.071067	0
	25	329.2587	74.90351	1870.13	1091.46	-68.3105	53.67254	1093.198	1093.198	1065.892	1060.892	4.237257	3.575187	0
	26	258.0221	59.80939	1870.13	1092.319	-68.3105	53.67254	1091.515	1091.515	1070.352	1065.352	3.366005	2.840067	0
	27	210.5432	52.19962	1870.13	1092.361	-68.3105	53.67254	1089.695	1089.695	1073.561	1068.561	2.78967	2.353784	0
	28	191.964	54.54257	1870.13	1092.506	-68.3105	53.67254	1089.967	1089.967	1075.422	1070.422	2.65873	2.243304	0
	29	215.8438	576.9582	1870.13	1092.372	-68.3105	53.67254	1089.605	1089.605	1069.847	1064.847	2.781085	2.346543	0
14	30	4412.62	584.0548	1870.13	1092.435	-68.3105	53.67254	1088.672	1088.672	1066.408	1061.408	1.838395	1.551145	0
14	31	273.1856	634.9688	1870.13	1092.163	-68.3105	53.67254	1086.236	1086.236	1077.369	1072.369	5.331296	4.498282	0
1	32	4816.164	611.5239	1870.13	1092.312	-68.3105	53.67254	1087.898	1087.898	1090.266	1085.266	1.012408	.85422	0
1	33	104.0632	26.64042	1870.13	1092.096	-68.3105	53.67254	1088.53	1088.53	1090.764	1085.764	.8319135	.7019268	0
14	34	109.6426	27.62929	1870.13	1091.353	-68.3105	53.67254	1090.356	1090.356	1085.818	1080.818	.8437283	.7118951	0
1	35	113.3307	25.68066	1870.13	1090.368	-68.3105	53.67254	1088.033	1088.033	1083.42	1078.42	.9015578	.7606897	0
1	36	93.8651	23.35634	1870.13	1089.325	-68.3105	53.67254	1086.163	1086.163	1081.912	1076.912	.1	.1	0
14	37	93.60019	23.2862	1870.13	1088.62	-12.15999	53.67254	1085.57	1085.57	1081.099	1076.099	.1	.1	0
1	38	93.50803	23.30577	1870.13	1087.328	-36.47998	212	1084.8	1083.8	1081.176	1076.176	.1	.1	0
1	39	93.9243	23.42761	1870.13	1090.156	-36.47998	53.67254	1085.569	1085.569	1080.414	1075.414	.1	.1	0
14	40	141.964	12.12773	2805.195	1094.171	-36.47998	80.50881	1092.124	1092.124	1079.387	1074.387	.1	.1	0
14	41	203.9593	12.63741	3740.26	1108.744	-136.621	107.3451	1114.787	1114.787	1078.855	1073.855	.1499188	.1264939	0
1	42	206.8792	16.40781	3740.26	1116.267	-136.621	107.3451	1123.183	1123.183	1081.673	1076.673	.1436633	.1212159	0
1	43	321.8356	19.96355	3740.26	1117.802	-136.621	107.3451	1133.552	1133.552	1084.22	1079.22	.885181	.885181	0
14	44	317.316	19.23302	3740.26	1116.714	-136.621	107.3451	1120.895	1120.895	1086.617	1081.617	.939803	.939803	0
1	45	296.3524	18.62703	3740.26	1113.587	-136.621	107.3451	1110.49	1110.49	1089.699	1084.699	.94	.94	0
1	46	298.6482	18.61103	3740.26	1115.911	-18.23998	107.3451	1115.249	1115.249	1092.236	1087.236	.94	.94	0
14	47	297.1703	18.20418	3740.26	1117.121	-18.23998	107.3451	1118.41	1118.41	1094.429	1089.429	.94	.94	0
1	48	287.3774	17.66778	3740.26	1115.913	-18.23998	107.3451	1118.302	1118.302	1096.704	1091.704	.94	.94	0
1	49	282.0534	17.43803	3740.26	1115.235	-18.23998	107.3451	1117.764	1117.764	1097.883	1092.883	.94	.94	0
14	50	280.1948	17.49186	3740.26	1115.11	-18.23998	107.3451	1117.459	1117.459	1098.186	1093.186	.94	.94	0
14	51	284.0205	17.92784	3740.26	1115.645	-18.23998	107.3451	1116.928	1116.928	1097.818	1092.818	.94	.94	0
	52	293.3873	18.03343	3740.26	1116.992	-136.621	107.3451	1118.504	1118.504	1095.827	1090.827	.94	.94	0
	53	286.7253	17.34962	3740.26	1115.139	-105.1199	107.3451	1118.177	1118.177	1096.005	1091.005	.94	.94	0
14	54	271.8932	15.54774	3740.26	1111.02	-136.621	107.3451	1112.237	1112.237	1095.63	1090.63	.94	.94	0
1	55	232.0826	14.23351	3740.26	1099.378	-136.621	107.3451	1088.094	1088.094	1095.465	1090.465	.940686	.940686	0
1	56	226.2626	14.73155	3740.26	1100.011	-136.621	20000	1100	1099	1094.938	1089.938	.873516	.873516	12

14	57	234.8499	15.65352	3740.26	1105.837	-136.621	107.3451	1119.479	1119.479	1094.261	1089.261	.761484	.761484	0
1	58	256.5631	16.79036	3740.26	1119.26	-136.621	107.3451	1123.905	1123.905	1093.286	1088.286	.533399	.533399	0
1	59	278.2992	17.75647	3740.26	1128.252	-136.621	107.3451	1129.156	1129.156	1092.468	1087.468	.541718	.541718	0
14	60	288.3298	18.32964	3740.26	1133.48	-136.621	107.3451	1133.568	1133.568	1091.765	1086.765	.525957	.525957	0
1	61	297.9676	18.2523	3740.26	1136.652	-136.621	107.3451	1139.5	1139.5	1091.013	1086.013	.532872	.532872	0
(	62	283.7791	17.4511	3740.26	1136.41	-136.621	107.3451	1144.395	1144.395	1090.073	1085.073	.473476	.473476	0
15	63	270.1041	16.3367	3740.26	1132.159	-136.621	107.3451	1148.827	1148.827	1089.354	1084.354	.437692	.437692	0
14	64	250.691	15.66408	3740.26	1122.613	-72.9599	20000	1122.6	1121.6	1088.716	1083.716	.403015	.403015	20
1	1	51938.02	3193.041	3740.26	1120.794	-24.31997	20000	1121.7	1120.7	980.1863	975.1863	90.94664	45.47332	19
1	2	49894.55	3067.409	3740.26	1115.677	-24.31997	107.3451	1128.222	1128.222	980.7243	975.7243	90.80002	45.40001	0
15	3	47977.51	2910.914	3740.26	1111.075	-18.23998	107.3451	1127.876	1127.876	981.0112	976.0112	90.597	45.2985	0
1	4	44829.05	2734.993	3740.26	1106.942	-12.15999	107.3451	1128.307	1128.307	985.7892	980.7892	90.8	45.4	0
1	5	42320.9	2587.644	3740.26	1103.249	-12.15999	107.3451	1132.769	1132.769	989.0004	984.0004	90.80002	45.40001	0
15	6	40077.61	2450.134	3740.26	1100.01	-12.15999	107.3451	1137.643	1137.643	991.8549	986.8549	90.8	45.4	0
15	7	37917.94	2335.688	3740.26	1097.127	-12.15999	107.3451	1148.005	1148.005	995.0085	990.0085	90.8	45.4	0
1	8	36411.6	2239.426	3740.26	1094.546	-12.15999	107.3451	1147.228	1147.228	996.485	991.485	90.80002	45.40001	0
1	9	34812.27	2140.043	3740.26	1092.166	-12.15999	107.3451	1146.327	1146.327	998.5358	993.5358	90.8	45.4	0
15	10	33245.26	3048.351	3740.26	1089.976	-12.15999	107.3451	1135.142	1135.142	1000.68	995.6796	90.8	45.4	0
1	11	63728.76	3939.491	3740.26	1088.575	-12.15999	107.3451	1137.022	1137.022	1003.002	998.0015	181.6	90.8	0
1	12	61725.06	3782.824	3740.26	1087.975	0	107.3451	1128.404	1128.404	1005.325	1000.325	181.6	90.80002	0
15	13	58798.95	3590.095	3740.26	1086.792	0	107.3451	1112.088	1112.088	1008.126	1003.126	181.6	90.8	0
15	14	55692.32	3395.952	3740.26	1085.606	0	20000	1085.3	1084.3	1011.454	1006.454	181.6	90.8	16
1	15	52804.96	3422.808	3740.26	1085.449	-136.621	20000	1085.3	1084.3	1015.423	1010.423	181.7969	90.89844	16
15	16	60095.59	3264.838	3740.26	1085.566	-136.621	107.3451	1085.444	1085.444	1020.437	1015.437	208.9812	104.4906	0
15	17	48475.16	3480.008	3740.26	1085.715	-105.5999	107.3451	1085.328	1085.328	1026.107	1021.107	184.4808	184.4808	0
1	18	46686.38	5152.578	2805.195	1085.84	-102.4658	80.50881	1087.839	1087.839	1029.409	1024.409	258.0536	258.0536	0
1	19	9053.618	1647.597	1870.13	1085.952	-68.3105	53.67254	1090.277	1090.277	1032.343	1027.343	79.98825	79.98825	0
15	20	3503.328	933.1474	1870.13	1086.287	-68.3105	53.67254	1092.694	1092.694	1036.139	1031.139	33.97663	25.48247	0
1	21	3503.92	931.7603	1870.13	1086.822	-68.3105	53.67254	1093.705	1093.705	1042.499	1037.499	38.0289	28.52168	0
1	22	3615.195	521.5667	1870.13	1087.3	-68.3105	53.67254	1093.611	1093.611	1049.268	1044.268	43.63155	32.72366	0
'	23	437.6802	104.6125	1870.13	1087.956	-68.3105	53.67254	1093.537	1093.537	1056.35	1051.35	5.14877	4.344273	0
.	24	368.1089	88.67868	1870.13	1090.443	-68.3105	53.67254	1093.474	1093.474	1062.514	1057.514	4.7396	3.999043	0
1	25	306.5084	71.91669	1870.13	1092.39	-68.3105	53.67254	1093.394	1093.394	1067.678	1062.678	4.091	3.451782	0
15	26	246.1405	57.33192	1870.13	1093.436	-68.3105	53.67254	1092.345	1092.345	1072.159	1067.159	3.267318	2.756798	0
15	27	199.272	48.42717	1870.13	1093.668	-68.3105	53.67254	1091.366	1091.366	1076.187	1071.187	2.682858	2.263661	0
1	28	172.7105	47.40938	1870.13	1093.838	-68.3105	53.67254	1092.472	1092.472	1079.435	1074.435	2.478785	2.091474	0
1	29	176.9216	580.1577	1870.13	1093.669	-68.3105	53.67254	1092.958	1092.958	1076.032	1071.032	2.47916	2.091791	0
15	30	4480.763	587.3965	1870.13	1093.698	-68.3105	53.67254	1090.724	1090.724	1070.16	1065.16	1.71218	1.444653	0
1	31	221.6188	637.3687	1870.13	1093.46	-68.3105	53.67254	1089.057	1089.057	1080.846	1075.846	4.890068	4.125994	0
1	32	4868.379	618.533	1870.13	1093.617	-68.3105	53.67254	1091.026	1091.026	1092.992	1087.992	1.090498	.9392003	0
15	33	103.3003	26.78602	3740.26	1093.508	-68.3105	53.67254	1091.15	1091.15	1093.447	1088.447	.96291	.8246745	0
15	34	109.6165	28.11402	1870.13	1093.114	-68.3105	53.67254	1091.762	1091.762	1088.972	1083.972	.961656	.8113965	0
1	35	115.9583	26.11828	1870.13	1092.491	-68.3105	53.67254	1091.195	1091.195	1084.868	1079.868	.9488198	.8005666	0
15	36	94.4594	23.50998	1870.13	1091.457	-12.15999	53.67254	1089.508	1089.508	1082.52	1077.52	.1	.1	0
15	37	94.33365	23.49085	1870.13	1091.205	-12.15999	53.67254	1088.654	1088.654	1081.793	1076.793	.1	.1	0
1	38	94.537	23.55231	1870.13	1091.604	-36.47998	53.67254	1089.227	1089.227	1081.69	1076.69	.1	.1	0
1	39	95.06944	23.71413	1870.13	1093.969	-36.47998	53.67254	1089.858	1089.858	1081.515	1076.515	.1	.1	0
15	40	143.8914	12.45006	2805.195	1099.468	-36.47998	80.50881	1099.404	1099.404	1080.426	1075.426	.1	.1	0
1	41	211.6527	13.04	3740.26	1111.868	-136.621	107.3451	1110.931	1110.931	1079.644	1074.644	.1888658	.1593554	0
1	42	211.3436	16.63687	3740.26	1118.527	-136.621	107.3451	1126.706	1126.706	1082.87	1077.87	.1657819	.1398785	0
15	43	323.9066	19.98343	3740.26	1119.142	-136.621	107.3451	1133.016	1133.016	1085.549	1080.549	.891854	.891854	0
15	44	314.9466	19.12125	3740.26	1117.337	-136.621	107.3451	1120.18	1120.18	1087.99	1082.99	.940647	.940647	0
1	45	295.313	18.5605	3740.26	1113.944	-136.621	107.3451	1110.094	1110.094	1090.853	1085.853	.94	.94	0
1	46	298.9433	18.62763	3740.26	1116.657	-18.23998	107.3451	1116.114	1116.114	1093.232	1088.232	.94	.94	0
15	47	297.9851	18.33005	3740.26	1117.983	-18.23998	107.3451	1120.376	1120.376	1095.323	1090.323	.94	.94	0
	48	290.6693	17.92164	3740.26	1117.35	-18.23998	107.3451	1119.202	1119.202	1097.393	1092.393	.94	.94	0
.	49	286.7556	17.70248	3740.26	1116.907	-18.23998	107.3451	1118.806	1118.806	1098.417	1093.417	.94	.94	0
15	50	284.3227	17.7716	3740.26	1116.85	-18.23998	107.3451	1118.875	1118.875	1098.328	1093.328	.94	.820157	0
1	51	288.9393	18.16015	3740.26	1117.302	-18.23998	107.3451	1118.623	1118.623	1098.165	1093.165	.94	.94	0
1	52	294.9402	18.2236	3740.26	1118.512	-136.621	107.3451	1118.499	1118.499	1097.025	1092.025	.94	.94	0

15	53	289.6837	17.56403	3740.26	1116.768	-105.1199	107.3451	1118.579	1118.579	1096.806	1091.806	.940863	.940863	0	
1	54	273.8659	15.95076	3740.26	1112.734	-136.621	107.3451	1112.902	1112.902	1096.286	1091.286	.9221	.9221	0	
1	55	242.4477	14.41306	3740.26	1102.182	-136.621	107.3451	1096.757	1096.757	1095.667	1090.667	.939541	.939541	0	
15	56	222.0372	14.08798	3740.26	1100.011	-136.621	20000	1100	1099	1095.064	1090.064	.777374	.777374	12	
1	57	224.5084	15.05979	3740.26	1102.061	-136.621	20000	1102	1101	1094.345	1089.345	.6681	.6681	12	
1	8	253.8748	16.63853	3740.26	1118.186	-136.621	107.3451	1122.412	1122.412	1093.355	1088.355	.531847	.531847	0	
1	59	276.3095	17.65785	3740.26	1127.851	-136.621	107.3451	1127.864	1127.864	1092.481	1087.481	.533	.533	0	
15	60	286.5471	18.31395	3740.26	1133.176	-136.621	107.3451	1132.622	1132.622	1091.741	1086.741	.524589	.524589	0	
1	61	295.445	18.10687	3740.26	1136.811	-136.621	107.3451	1137.901	1137.901	1091	1086	.532904	.532904	0	
1	62	279.6184	17.1666	3740.26	1136.748	-136.621	107.3451	1143.897	1143.897	1090.04	1085.04	.445971	.445971	0	
15	63	267.3509	16.213	3740.26	1132.466	-136.621	107.3451	1148.723	1148.723	1089.317	1084.317	.413486	.413486	0	
1	64	250.6962	15.6723	3740.26	1122.709	-72.9599	20000	1122.7	1121.7	1088.707	1083.707	.402818	.402818	20	
1	1	51402.12	3171.495	3740.26	1120.329	-24.31997	20000	1121.3	1120.3	980.1788	975.1788	90.46936	45.23468	19	
16	2	49582.27	3049.595	3740.26	1115.077	-18.23998	107.3451	1127.749	1127.749	980.8159	975.8159	90.8	45.4	0	
1	3	47614.84	2889.496	3740.26	1110.38	-12.15999	107.3451	1127.06	1127.06	981.0685	976.0685	90.50834	45.25417	0	
1	4	44458	2711.878	3740.26	1106.182	-12.15999	107.3451	1128.192	1128.192	986.0385	981.0385	90.8	45.4	0	
1	5	41870.41	2562.263	3740.26	1102.457	-12.15999	107.3451	1129.653	1129.653	989.2228	984.2228	90.78924	45.39462	0	
16	6	39628.68	2424.588	3740.26	1099.224	-12.15999	107.3451	1138.87	1138.87	992.2775	987.2775	90.80002	45.40001	0	
1	7	37475	2309.908	3740.26	1096.363	-12.15999	107.3451	1149.689	1149.689	995.2876	990.2876	90.8	45.4	0	
1	8	35971.41	2212.066	3740.26	1093.828	-12.15999	107.3451	1147.352	1147.352	996.9962	991.9962	90.8	45.4	0	
16	9	34363.2	2113.553	3740.26	1091.493	-12.15999	107.3451	1146.091	1146.091	999.0459	994.0459	90.8	45.4	0	
1	10	32812.41	3012.525	3740.26	1089.41	-12.15999	107.3451	1128.282	1128.282	1001.267	996.2665	90.8	45.4	0	
1	11	62972.6	3901.373	3740.26	1088.176	-12.15999	107.3451	1115.046	1115.046	1003.606	998.606	181.6	90.80002	0	
16	12	61108.96	3749.926	3740.26	1087.527	0	107.3451	1121.804	1121.804	1005.554	1000.554	181.6	90.8	0	
16	13	58292.21	3565.61	3740.26	1086.393	0	107.3451	1097.969	1097.969	1008.499	1003.499	181.6	90.8	0	
1	14	55350.99	3385.128	3740.26	1085.533	0	20000	1085.3	1084.3	1011.687	1006.687	181.6	90.8	16	
1	15	52592.73	3633.477	3740.26	1085.494	-136.621	20000	1085.3	1084.3	1015.576	1010.576	181.6417	90.82084	16	
16	16	64536.54	3520.834	3740.26	1085.671	-136.621	107.3451	1086.3	1086.3	1020.576	1015.576	234.477	117.2385	0	
1	17	48631.86	3440.222	3740.26	1085.807	-105.5999	107.3451	1087.31	1087.31	1026.035	1021.035	189.135	189.135	0	
1	18	44025.91	4891.89	2805.195	1085.941	-102.4658	80.50881	1090.793	1090.793	1029.208	1024.208	246.263	246.263	0	
	19	8024.705	1491.64	1870.13	1086.063	-68.3105	53.67254	1092.979	1092.979	1031.414	1026.414	72.01295	72.01295	0	
	20	2972.885	818.6644	1870.13	1086.43	-68.3105	53.67254	1093.673	1093.673	1035.346	1030.346	29.18584	21.88939	0	
1	21	2979.874	848.0182	1870.13	1087.025	-68.3105	53.67254	1093.75	1093.75	1042.158	1037.158	32.93824	24.70367	0	
16	22	3228.736	491.652	1870.13	1087.543	-68.3105	53.67254	1093.718	1093.718	1049.76	1044.76	41.28855	30.96639	0	
16	23	393.8727	96.83478	1870.13	1088.278	-68.3105	53.67254	1093.625	1093.625	1057.399	1052.399	4.919715	4.151012	0	
1	24	322.5443	79.97565	1870.13	1091.151	-68.3105	53.67254	1093.906	1093.906	1064.394	1059.394	4.275157	3.60716	0	
1	25	275.455	66.24552	1870.13	1093.486	-68.3105	53.67254	1094.655	1094.655	1069.98	1064.98	3.701052	3.12276	0	
16	26	231.1894	54.02119	1870.13	1094.82	-68.3105	53.67254	1094.19	1094.19	1074.191	1069.191	3.036767	2.562273	0	
1	27	190.6393	44.56846	1870.13	1095.355	-68.3105	53.67254	1094.504	1094.504	1078.5	1073.5	2.46344	2.078528	0	
1	28	159.3465	39.99865	1870.13	1095.441	-68.3105	53.67254	1096.229	1096.229	1083.304	1078.304	2.185015	1.843606	0	
16	29	147.755	584.2634	1870.13	1095.041	-68.3105	53.67254	1096.936	1096.936	1082.93	1077.938	1.999475	1.69989	0	
1	30	4560.372	588.1988	1870.13	1094.999	-68.3105	53.67254	1092.721	1092.721	1075.206	1070.206	1.269226	1.070911	0	
1	31	175.7686	635.1309	1870.13	1094.843	-68.3105	53.67254	1092.064	1092.064	1084.118	1079.118	3.231278	2.733653	0	
16	32	4903.594	624.387	3740.26	1094.962	-68.3105	53.67254	1093.787	1093.787	1095.472	1090.472	.9784852	.7503181	0	
16	33	101.4339	26.44316	3740.26	1094.947	-68.3105	53.67254	1093.547	1093.547	1096.034	1091.034	.9375	.7025306	0	
1	34	110.202	28.27968	1870.13	1094.979	-68.3105	53.67254	1093.137	1093.137	1091.774	1086.774	.9375	.791016	0	
1	35	119.1328	26.48615	1870.13	1094.66	-68.3105	53.67254	1093.66	1093.66	1085.917	1080.917	.9393262	.7925572	0	
16	36	95.08091	23.68828	1870.13	1094.332	-12.15999	53.67254	1093.688	1093.688	1082.767	1077.767	.1	.1	0	
1	37	95.11975	23.72681	1870.13	1094.931	-12.15999	53.67254	1094.209	1094.209	1082.034	1077.034	.1	.1	0	
1	38	95.62249	23.8493	1870.13	1096.307	-36.47998	53.67254	1095.151	1095.151	1082.372	1077.372	.1	.1	0	
16	39	96.41385	24.03513	1870.13	1098.888	-36.47998	53.67254	1096.598	1096.598	1082.89	1077.89	.1	.1	0	
1	40	145.8347	12.76918	2805.195	1104.31	-36.47998	80.50881	1107.71	1107.71	1081.856	1076.856	.1	.1	0	
1	41	220.6469	13.39727	3740.26	1115.028	-136.621	107.3451	1120.854	1120.854	1080.948	1075.948	.2225034	.1877373	0	
1	42	214.1454	16.81627	3740.26	1120.456	-136.621	107.3451	1127.94	1127.94	1084.338	1079.338	.1797135	.1516333	0	
16	43	325.9318	19.9449	3740.26	1120.196	-136.621	107.3451	1132.576	1132.576	1087.064	1082.064	.907138	.907138	0	
	44	310.9248	19.01997	3740.26	1117.622	-136.621	107.3451	1118.633	1118.633	1089.419	1084.419	.94	.94	0	
	45	296.2885	18.58051	3740.26	1114.849	-136.621	107.3451	1111.012	1111.012	1092.037	1087.037	.94	.94	0	
16	46	299.6071	18.6804	3740.26	1117.622	-18.23998	107.3451	1117.813	1117.813	1094.238	1089.238	.94	.94	0	
1	47	298.9933	18.46085	3740.26	1118.904	-18.23998	107.3451	1122.052	1122.052	1096.168	1091.168	.94	.94	0	
1	48	292.6105	18.16741	3740.26	1118.696	-18.23998	107.3451	1120.033	1120.033	1098.033	1093.033	.94	.94	0	

16	49	289.7877	17.98991	3740.26	1118.464	-18.23998	107.3451	1119.748	1119.748	1098.821	1093.821	.94	.94	0
16	50	289.8593	18.05727	3740.26	1118.468	-18.23998	107.3451	1120.048	1120.048	1098.893	1093.893	.94	.824451	0
16	51	296.1123	18.33232	3740.26	1118.82	-18.23998	107.3451	1119.982	1119.982	1098.649	1093.649	.94	.956209	0
16	52	297.1137	18.3154	3740.26	1119.747	-136.621	107.3451	1118.891	1118.891	1098.317	1093.317	.940186	.940186	0
16	53	290.0892	17.65782	3740.26	1118.152	-105.1199	107.3451	1118.856	1118.856	1097.417	1092.417	.927495	.927495	0
16	54	273.6035	16.31885	3740.26	1114.291	-136.621	107.3451	1113.63	1113.63	1096.808	1091.808	.885361	.885361	0
16	55	246.185	14.61725	3740.26	1106.139	-136.621	107.3451	1107.542	1107.542	1095.841	1090.841	.881703	.881703	0
16	56	222.8654	13.82112	3740.26	1100.054	-136.621	20000	1100	1099	1095.32	1090.32	.678658	.678658	12
16	57	221.6341	14.83916	3740.26	1102.022	-136.621	20000	1102	1101	1094.562	1089.562	.592919	.592919	12
16	58	250.6782	16.49799	3740.26	1116.886	-136.621	107.3451	1121.277	1121.277	1093.421	1088.421	.532198	.532198	0
16	59	274.6235	17.52069	3740.26	1127.195	-136.621	107.3451	1126.993	1126.993	1092.623	1087.623	.532348	.532348	0
16	60	283.9131	18.06056	3740.26	1132.697	-136.621	107.3451	1131.962	1131.962	1091.792	1086.792	.515694	.515694	0
16	61	283.7995	17.83459	3740.26	1136.737	-136.621	107.3451	1136.5	1136.5	1090.982	1085.982	.506938	.506938	0
16	62	276.6589	17.01898	3740.26	1136.862	-136.621	107.3451	1143.588	1143.588	1090	1085	.428871	.428871	0
16	63	266.2982	16.16494	3740.26	1132.583	-136.621	107.3451	1148.587	1148.587	1089.2	1084.2	.40468	.40468	0
16	64	250.7425	15.66472	3740.26	1122.614	-72.9599	20000	1122.6	1121.6	1088.685	1083.685	.402913	.402913	20
17	1	50405.08	3140.03	3740.26	1119.806	-18.23998	20000	1120.8	1119.8	980.1788	975.1788	89.68834	44.84417	19
17	2	48989.27	3025.225	3740.26	1114.426	-12.15999	107.3451	1127.099	1127.099	980.9326	975.9326	90.6255	45.31275	0
17	3	47118.38	2865.057	3740.26	1109.635	-12.15999	107.3451	1125.574	1125.574	981.2112	976.2112	90.34676	45.17338	0
17	4	44080.16	2683.648	3740.26	1105.37	-12.15999	107.3451	1128.047	1128.047	986.2615	981.2615	90.8	45.4	0
17	5	41411.77	2531.43	3740.26	1101.612	-12.15999	107.3451	1122.326	1122.326	989.8273	984.8273	90.78514	45.39257	0
17	6	39196.58	2394.392	3740.26	1098.394	-12.15999	107.3451	1139.529	1139.529	992.7124	987.7124	90.8	45.4	0
17	7	36939.92	2280.493	3740.26	1095.561	-12.15999	107.3451	1150.983	1150.983	995.8832	990.8832	90.8	45.4	0
17	8	35496.97	2183.847	3740.26	1093.081	-12.15999	107.3451	1147.478	1147.478	997.4453	992.4453	90.8	45.4	0
17	9	33920.78	2084.923	3740.26	1090.789	-12.15999	107.3451	1149.13	1149.13	999.6342	994.6342	90.80002	45.40001	0
17	10	32358.71	2974.038	3740.26	1088.815	0	107.3451	1121.598	1121.598	1001.904	996.9041	90.8	45.4	0
17	11	62190.53	3853.725	3740.26	1087.754	0	107.3451	1082.285	1082.285	1004.264	999.2645	181.6	90.80002	0
17	12	60346.67	3712.647	3740.26	1087.102	0	107.3451	1115.546	1115.546	1006.149	1001.149	181.6	90.8	0
17	13	57778.52	3537.091	3740.26	1085.969	0	20000	1085.3	1084.3	1008.699	1003.699	181.6	90.8	16
17	14	55037.52	3361.354	3740.26	1085.49	-136.621	20000	1085.3	1084.3	1012.278	1007.278	181.6	90.8	16
	15	52439.36	3687.103	3740.26	1085.595	-136.621	107.3451	1085.43	1085.43	1016.084	1011.084	181.6216	90.8108	0
	16	66138.7	3552.191	3740.26	1085.768	-136.621	107.3451	1088.743	1088.743	1021.074	1016.074	243.3746	121.6873	0
17	17	46717.89	3268.096	3740.26	1085.897	-105.5999	107.3451	1093.33	1093.33	1026.016	1021.016	184.9128	184.9128	0
17	18	39511.5	4451.938	2805.195	1086.043	-102.4658	80.50881	1093.822	1093.822	1028.683	1023.683	225.77	225.77	0
17	19	6670.513	1257.758	1870.13	1086.184	-68.3105	53.67254	1094.095	1094.095	1031.353	1026.353	61.16095	61.16095	0
17	20	2372.624	669.5254	1870.13	1086.596	-68.3105	53.67254	1094.292	1094.292	1035.092	1030.092	23.54668	17.66001	0
17	21	2337.151	704.1343	1870.13	1087.256	-68.3105	53.67254	1094.386	1094.386	1042.291	1037.291	26.77054	20.07791	0
17	22	2483.578	414.0001	1870.13	1087.818	-68.3105	53.67254	1094.414	1094.414	1050.279	1045.279	34.78787	26.09091	0
17	23	315.5442	82.26948	1870.13	1088.675	-68.3105	53.67254	1094.27	1094.27	1058.385	1053.385	4.0633	3.42841	0
17	24	267.043	69.52417	1870.13	1092.032	-68.3105	53.67254	1094.798	1094.798	1065.928	1060.928	3.498492	2.951855	0
17	25	309.8741	60.41556	1870.13	1094.815	-68.3105	53.67254	1097.856	1097.856	1072.118	1067.118	3.208848	2.707463	0
17	26	270.9875	51.43597	1870.13	1096.403	-68.3105	53.67254	1096.238	1096.238	1075.802	1070.802	2.723155	2.297663	0
17	27	227.2721	42.92799	1870.13	1097.132	-68.3105	53.67254	1097.703	1097.703	1079.522	1074.522	2.239796	1.889829	0
17	28	181.4057	36.77674	1870.13	1096.876	-68.3105	53.67254	1097.718	1097.718	1084.73	1079.73	1.939419	1.626426	0
17	29	151.9963	592.7684	1870.13	1096.407	-68.3105	53.67254	1098.325	1098.325	1086.031	1081.038	1.56533	1.335574	0
17	30	4674.088	595.8364	1870.13	1096.307	-68.3105	53.67254	1094.551	1094.551	1080.407	1075.414	.9131065	.780662	0
17	31	170.1248	634.7097	1870.13	1096.237	-68.3105	53.67254	1093.953	1093.953	1086.05	1081.05	2.443772	2.077492	2
17	32	4931.066	626.8699	3740.26	1096.319	-68.3105	53.67254	1094.337	1094.337	1096.623	1091.623	.9727552	.4420537	0
1	33	100.6353	26.46581	3740.26	1096.383	-68.3105	53.67254	1095.413	1095.413	1098.283	1093.283	.9375	.4085753	0
1	34	120.6126	29.05405	1870.13	1097.203	-68.3105	53.67254	1095.916	1095.916	1093.216	1088.216	.9375	.8008327	0
17	35	123.2369	27.06729	1870.13	1096.647	-12.15999	53.67254	1094.182	1094.182	1085.844	1080.844	.9461948	.7983525	0
1	36	95.709	23.86189	1870.13	1097.183	-12.15999	53.67254	1096.094	1096.094	1082.971	1077.971	.1	.1	0
1	37	95.92927	23.95875	1870.13	1098.712	-12.15999	53.67254	1100.774	1100.774	1082.123	1077.123	.1	.1	0
17	38	96.76227	24.15979	1870.13	1100.924	-36.47998	53.67254	1101.093	1101.093	1083.094	1078.094	.1	.1	0
17	39	97.79256	24.37412	1870.13	1103.923	-36.47998	53.67254	1103.687	1103.687	1084.694	1079.694	.1	.1	0
	40	147.746	13.17414	2805.195	1108.794	-102.4658	80.50881	1115.538	1115.538	1083.734	1078.734	.1	.1	0
	41	228.671	13.77725	3740.26	1117.732	-136.621	107.3451	1126.283	1126.283	1083.067	1078.067	.2742342	.231385	0
17	42	216.1669	16.93855	3740.26	1122.083	-136.621	107.3451	1130.015	1130.015	1086.065	1081.065	.1824551	.1539466	0
1	43	326.2324	19.85864	3740.26	1120.968	-136.621	107.3451	1131.623	1131.623	1088.936	1083.936	.937632	.937632	0
1	44	306.3488	18.93086	3740.26	1117.477	-136.621	107.3451	1115.26	1115.26	1090.894	1085.894	.94	.94	0

17	45	298.6031	18.66296	3740.26	1116.329	-136.621	107.3451	1113.956	1113.956	1093.256	1088.256	.94	.94	0
17	46	300.2498	18.73213	3740.26	1118.616	-18.23998	107.3451	1119.673	1119.673	1095.301	1090.301	.94	.94	0
17	47	300.0156	18.51439	3740.26	1119.853	-18.23998	107.3451	1123.384	1123.384	1097.041	1092.041	.94	.94	0
17	48	295.8681	18.23248	3740.26	1119.97	-18.23998	107.3451	1121.079	1121.079	1098.672	1093.672	.94	.828214	0
17	49	298.9553	18.23803	3740.26	1119.927	-18.23998	107.3451	1120.339	1120.339	1099.463	1094.463	.94	.828214	0
17	50	299.2213	18.56595	3740.26	1119.971	-18.23998	107.3451	1122.06	1122.06	1099.625	1094.625	.94	.976229	0
17	51	308.4654	18.7443	3740.26	1120.203	-18.23998	107.3451	1121.383	1121.383	1099.393	1094.393	.94	1.291091	0
17	52	299.9146	18.38478	3740.26	1120.978	-136.621	107.3451	1120.227	1120.227	1098.717	1093.717	.94014	.94014	0
17	53	287.3536	17.57297	3740.26	1119.306	-105.1199	107.3451	1119.193	1119.193	1098.064	1093.064	.892628	.892628	0
17	54	270.7706	16.16793	3740.26	1115.848	-136.621	107.3451	1115.098	1115.098	1097.337	1092.337	.826211	.826211	0
17	55	243.1065	14.6984	3740.26	1109.302	-136.621	107.3451	1110.854	1110.854	1095.974	1090.974	.688726	.688726	0
17	56	227.6098	13.9601	3740.26	1103.777	-136.621	107.3451	1110.74	1110.74	1095.572	1090.572	.608854	.608854	0
17	57	220.358	14.68036	3740.26	1102.512	-136.621	20000	1102.5	1101.5	1094.789	1089.789	.547478	.547478	12
17	58	246.061	16.33337	3740.26	1115.225	-136.621	107.3451	1120.628	1120.628	1093.487	1088.487	.532552	.532552	0
17	59	272.9861	17.38786	3740.26	1126.384	-136.621	107.3451	1126.231	1126.231	1092.76	1087.76	.533755	.533755	0
17	60	281.4979	17.42149	3740.26	1132.092	-136.621	107.3451	1131.263	1131.263	1091.844	1086.844	.508764	.508764	0
17	61	272.7801	17.19406	3740.26	1136.517	-136.621	107.3451	1136.503	1136.503	1090.915	1085.915	.420378	.420378	0
17	62	274.584	16.91584	3740.26	1136.754	-136.621	107.3451	1143.078	1143.078	1089.857	1084.857	.416577	.416577	0
17	63	266.1062	16.1501	3740.26	1132.518	-136.621	107.3451	1148.118	1148.118	1088.97	1083.97	.40075	.40075	0
17	64	251.3281	15.67808	3740.26	1122.712	-72.9599	20000	1122.7	1121.7	1088.617	1083.617	.40294	.40294	20
18	1	48473.32	3072.117	3740.26	1119.213	-12.15999	20000	1120.3	1119.3	980.2806	975.2806	87.72346	43.86173	19
18	2	47287.42	2981.503	3740.26	1113.718	-12.15999	107.3451	1126.435	1126.435	981.134	976.134	89.73168	44.86584	0
18	3	46380.05	2834.852	3740.26	1108.832	-12.15999	107.3451	1124.488	1124.488	981.545	976.545	90.00726	45.00363	0
18	4	43068.41	2659.597	3740.26	1104.502	-12.15999	107.3451	1128.19	1128.19	986.4401	981.4401	90.8	45.4	0
18	5	41037.55	2506.591	3740.26	1100.711	-12.15999	107.3451	1127.59	1127.59	989.9899	984.9899	90.77726	45.38863	0
18	6	38767.86	2364.139	3740.26	1097.52	-12.15999	107.3451	1139.807	1139.807	992.9542	987.9542	90.8	45.4	0
18	7	36374.35	2246.813	3740.26	1094.716	-12.15999	107.3451	1151.926	1151.926	996.5302	991.5302	90.74634	45.37317	0
18	8	34983.68	2154.762	3740.26	1092.305	-12.15999	107.3451	1145.667	1145.667	998.0884	993.0884	90.80002	45.40001	0
18	9	33511.23	2057.545	3740.26	1090.049	-12.15999	107.3451	1141.751	1141.751	1000.04	995.0404	90.8	45.4	0
18	10	31887.85	2935.289	3740.26	1088.181	0	107.3451	1118.005	1118.005	1002.539	997.5394	90.8	45.4	0
18	11	61404.66	3804.851	3740.26	1087.326	0	107.3451	1096.5	1096.5	1004.91	999.91	181.6	90.8	0
18	12	59582.63	3670.178	3740.26	1086.7	0	107.3451	1104.133	1104.133	1006.827	1001.827	181.6	90.80002	0
18	13	57221.41	3513.912	3740.26	1085.73	0	20000	1085.3	1084.3	1009.252	1004.252	181.6	90.8	16
18	14	54955.2	3355.951	3740.26	1085.476	-136.621	20000	1085.3	1084.3	1012.494	1007.494	181.6	90.8	16
18	15	52379.96	3724.026	3740.26	1085.69	-136.621	107.3451	1083.017	1083.017	1016.354	1011.354	182.0453	91.02266	0
18	16	67073.66	3501.346	3740.26	1085.865	-136.621	107.3451	1087.856	1087.856	1021.246	1016.246	248.0718	124.0359	0
18	17	43877.78	2944.397	3740.26	1085.988	-105.5999	107.3451	1092.283	1092.283	1025.891	1020.891	173.4908	173.4908	0
18	18	33527.7	3800.94	2805.195	1086.15	-102.4658	80.50881	1094.599	1094.599	1028.571	1023.571	194.8433	194.8433	0
18	19	7529.111	1003.026	1870.13	1086.337	-68.3105	53.67254	1095.216	1095.216	1031.501	1026.501	49.15513	49.15513	0
18	20	2517.844	507.9183	1870.13	1086.806	-68.3105	53.67254	1097.082	1097.082	1035.794	1030.794	18.26093	13.69569	0
18	21	2330.481	501.048	1870.13	1087.544	-68.3105	53.67254	1096.636	1096.636	1042.949	1037.949	19.82518	14.86889	0
18	22	2161.444	285.7805	1870.13	1088.164	-68.3105	53.67254	1096.317	1096.317	1050.974	1045.974	23.67797	17.75848	0
18	23	277.3312	63.37733	1870.13	1089.203	-68.3105	53.67254	1095.629	1095.629	1059.252	1054.252	2.749455	2.319853	0
18	24	256.899	74.70511	1870.13	1093.153	-68.3105	53.67254	1096.279	1096.279	1067.314	1062.314	2.538645	2.141983	0
18	25	420.6664	84.79986	1870.13	1096.093	-68.3105	53.67254	1098.73	1098.73	1073.823	1068.823	5.14331	4.339664	0
18	26	384.8333	73.12894	1870.13	1097.752	-68.3105	53.67254	1097.871	1097.871	1077.07	1072.07	4.605402	3.885808	0
18	27	338.8668	59.24146	1870.13	1098.538	-68.3105	53.67254	1098.73	1098.73	1080.731	1075.725	3.989068	3.410934	0
18	28	258.1404	46.57376	1870.13	1097.795	-68.3105	53.67254	1094.027	1094.027	1084.522	1079.476	3.472476	2.277324	0
18	29	186.8507	613.7527	1870.13	1097.696	-68.3105	53.67254	1097.612	1097.612	1086.53	1081.562	2.5676	1.51387	0
18	30	4794.015	615.2169	1870.13	1097.588	-68.3105	53.67254	1095.886	1095.886	1086.844	1081.913	1.345023	1.147176	2
18	31	161.3889	640.5881	1870.13	1097.599	-68.3105	53.67254	1096.302	1096.302	1090.53	1085.519	3.6732	3.074296	2
18	32	4963.993	631.0555	3740.26	1097.684	-68.3105	53.67254	1096.892	1096.892	1098.104	1093.104	1.932332	.6421622	0
18	33	100.7671	28.84615	3740.26	1097.858	-68.3105	53.67254	1098.15	1098.15	1099.859	1094.859	1.875	.3758404	0
18	34	134.1398	31.90832	1870.13	1099.559	-68.3105	53.67254	1099.928	1099.928	1094.001	1089.001	1.875	1.306484	0
18	35	124.0073	27.66918	1870.13	1099.297	-12.15999	53.67254	1099.695	1099.695	1085.772	1080.772	.920055	.7762958	0
18	36	96.3501	24.04768	1870.13	1100.273	-12.15999	53.67254	1104.932	1104.932	1083.088	1078.088	.1	.1	0
18	37	96.82652	24.21413	1870.13	1102.166	-12.15999	53.67254	1111.551	1111.551	1082.828	1077.828	.1	.1	0
18	38	98.02338	24.47892	1870.13	1104.91	-36.47998	53.67254	1111.589	1111.589	1084.924	1079.924	.1	.1	0
18	39	99.1291	24.69835	1870.13	1108.172	-36.47998	53.67254	1111.316	1111.316	1086.993	1081.993	.1	.1	0
18	40	149.5724	13.42996	2805.195	1112.533	-102.4658	80.50881	1123.465	1123.465	1085.973	1080.973	.1	.1	0

18	41	231.9775	14.02512	3740.26	1119.996	-136.621	107.3451	1131.231	1131.231	1085.576	1080.576	.2992884	.2525246	0
18	42	218.4517	16.9614	3740.26	1123.427	-136.621	107.3451	1130.219	1130.219	1087.917	1082.917	.1890075	.1594751	0
18	43	323.7957	19.67768	3740.26	1121.476	-27.35998	107.3451	1129.755	1129.755	1090.704	1085.704	.949878	.949878	0
18	44	302.8395	18.87863	3740.26	1117.504	-136.621	107.3451	1114.152	1114.152	1092.401	1087.401	.940006	.940006	0
18	45	300.5242	18.76535	3740.26	1117.977	-136.621	107.3451	1117.514	1117.514	1094.479	1089.479	.94	.94	0
18	46	300.8279	18.78446	3740.26	1119.612	-18.23998	107.3451	1121.595	1121.595	1096.361	1091.361	.94	.94	0
18	47	299.4805	18.72835	3740.26	1120.807	-18.23998	107.3451	1125.043	1125.043	1097.92	1092.92	.94	.94	0
18	48	304.604	18.94398	3740.26	1121.179	-18.23998	107.3451	1122.141	1122.141	1099.383	1094.383	.94	.995881	0
18	49	316.9257	19.14801	3740.26	1121.277	-18.23998	107.3451	1121.436	1121.436	1100.21	1095.21	.94	1.530556	0
18	50	324.0144	19.41447	3740.26	1121.354	-18.23998	107.3451	1123.01	1123.01	1100.623	1095.623	.944108	1.453575	0
18	51	325.1161	19.27944	3740.26	1121.439	-18.23998	107.3451	1122.55	1122.55	1100.312	1095.312	.94	1.941869	0
18	52	301.5422	18.31948	3740.26	1122.161	-136.621	107.3451	1122.078	1122.078	1099.489	1094.489	.939675	.939675	0
18	53	282.463	17.30979	3740.26	1120.252	-105.1199	107.3451	1119.777	1119.777	1098.708	1093.708	.837493	.837493	0
18	54	266.1562	15.94939	3740.26	1117.38	-136.621	107.3451	1117.253	1117.253	1097.851	1092.851	.744855	.744855	0
18	55	241.1111	14.72136	3740.26	1111.842	-136.621	107.3451	1112.551	1112.551	1096.815	1091.815	.586435	.586435	0
1	56	230.8864	14.03789	3740.26	1106.542	-136.621	107.3451	1112.773	1112.773	1095.884	1090.884	.565811	.565811	0
18	57	219.9832	14.47083	3740.26	1102.517	-136.621	20000	1102.5	1101.5	1094.942	1089.942	.530413	.530413	12
18	58	239.7939	16.10708	3740.26	1112.996	-136.621	107.3451	1119.956	1119.956	1094.209	1089.209	.532836	.532836	0
1	59	271.0905	17.2674	3740.26	1125.431	-136.621	107.3451	1125.382	1125.382	1092.838	1087.838	.53738	.53738	0
18	60	278.8675	17.22089	3740.26	1131.391	-136.621	107.3451	1130.516	1130.516	1091.878	1086.878	.504273	.504273	0
18	61	270.1952	17.0162	3740.26	1136.062	-136.621	107.3451	1136.507	1136.507	1090.858	1085.858	.403272	.403272	0
1	62	272.7234	16.8773	3740.26	1136.423	-136.621	107.3451	1142.241	1142.241	1089.6	1084.6	.410789	.410789	0
18	63	266.0693	16.18955	3740.26	1132.266	-136.621	107.3451	1147.398	1147.398	1088.614	1083.614	.403	.403	0
18	64	252.2385	15.73793	3740.26	1122.81	-54.71994	20000	1122.8	1121.8	1087.595	1082.595	.403	.403	20
1	1	45750.18	2912.93	3740.26	1118.532	-12.15999	20000	1120	1119	980.3575	975.3575	83.74838	41.87419	19
1	2	44907.88	2872.714	3740.26	1112.936	-12.15999	107.3451	1126.134	1126.134	981.3298	976.3298	85.55536	42.77768	0
19	3	44989.71	2755.677	3740.26	1107.967	-12.15999	107.3451	1123.956	1123.956	981.8921	976.8921	89.12468	44.56234	0
19	4	41454.57	2597.025	3740.26	1103.562	-12.15999	107.3451	1128.316	1128.316	986.6857	981.6857	88.25898	44.12949	0
1	5	40663.07	2481.247	3740.26	1099.75	-12.15999	107.3451	1134.081	1134.081	989.998	984.998	90.76152	45.38076	0
19	6	37948.22	2332.249	3740.26	1096.6	-12.15999	107.3451	1139.317	1139.317	993.2807	988.2807	90.80002	45.40001	0
	7	35805.58	2213.063	3740.26	1093.825	-12.15999	107.3451	1150.949	1150.949	997.1791	992.1791	90.72212	45.36106	0
	8	34483.38	2126.169	3740.26	1091.502	-12.15999	107.3451	1142.513	1142.513	998.6955	993.6955	90.8	45.4	0
1	9	32918.5	2029.898	3740.26	1089.269	-12.15999	107.3451	1135.935	1135.935	1000.371	995.3714	90.8	45.4	0
19	10	31388.73	2895.492	3740.26	1087.496	0	107.3451	1115.689	1115.689	1003.182	998.1817	90.8	45.4	0
	11	60601.45	3756.855	3740.26	1086.89	0	107.3451	1109.607	1109.607	1005.565	1000.565	181.6	90.80002	0
	12	58854.91	3630.075	3740.26	1086.312	0	107.3451	1093.053	1093.053	1007.464	1002.464	181.6	90.8	0
19	13	56730.39	3497.126	3740.26	1085.593	0	20000	1085.3	1084.3	1009.858	1004.858	181.6	90.8	16
19	14	54924.15	3352.497	3740.26	1085.494	-136.621	20000	1085.3	1084.3	1012.509	1007.509	181.6	90.8	16
	15	52254.24	3741.825	3740.26	1085.788	-136.621	107.3451	1085.5	1085.5	1016.614	1011.614	182.0619	91.03096	0
	16	67101.7	3433.119	3740.26	1085.961	-136.621	107.3451	1088.5	1088.5	1021.161	1016.161	249.9392	124.9696	0
19	17	42387.1	2591.939	3740.26	1086.082	-105.5999	107.3451	1094.5	1094.5	1025.818	1020.818	162.0713	162.0713	0
	18	27483.94	3669.288	2805.195	1086.266	-102.4658	80.50881	1095.052	1095.052	1028.729	1023.729	161.3418	161.3418	0
	19	8025.748	1508.712	1870.13	1086.495	-68.3105	53.67254	1096.258	1096.258	1031.907	1026.907	75.8168	75.8168	0
19	20	2563.076	704.1628	1870.13	1087.016	-68.3105	53.67254	1099.344	1099.344	1036.626	1031.626	26.70745	20.03059	0
	21	2257.748	621.9335	1870.13	1087.83	-68.3105	53.67254	1098.661	1098.661	1043.674	1038.674	27.07746	20.30809	0
	22	1866.639	323.9134	1870.13	1088.538	-68.3105	53.67254	1097.858	1097.858	1051.76	1046.76	27.48457	20.61343	0
19	23	238.1355	70.18024	1870.13	1089.726	-68.3105	53.67254	1096.563	1096.563	1059.95	1054.95	2.990872	2.52355	0
19	24	234.0789	94.68626	1870.13	1094.173	-68.3105	53.67254	1097.63	1097.63	1068.132	1063.132	3.155227	2.662225	0
	25	409.9194	116.5751	1870.13	1097.061	-68.3105	53.67254	1098.594	1098.594	1074.831	1069.831	7.43454	6.27289	0
	26	370.79	107.7961	1870.13	1098.742	-68.3105	53.67254	1098.528	1098.528	1077.827	1072.827	7.204014	6.07839	0
19	27	363.8966	90.01036	1870.13	1099.582	-68.3105	53.67254	1098.901	1098.901	1081.01	1076.044	7.08815	5.75803	2
	28	281.8702	64.67403	1870.13	1098.807	-68.3105	53.67254	1091.83	1091.83	1084.054	1078.442	6.42932	2.482024	2
	29	187.1815	631.4636	1870.13	1098.849	-68.3105	53.67254	1097.9	1097.9	1087.739	1081.546	4.470394	1.29697	2
19	30	4840.229	623.634	1870.13	1098.828	-68.3105	53.67254	1096.884	1096.884	1091.486	1086.027	2.162256	1.836653	2
	31	138.0273	640.7574	1870.13	1098.923	-68.3105	53.67254	1098.419	1098.419	1094.45	1089.493	2.745828	2.523726	2
	32	4987.339	635.1345	3740.26	1099.03	-68.3105	53.67254	1100.884	1100.884	1099.812	1094.778	1.856958	.3663866	0
	33	103.2524	29.88059	3740.26	1099.263	-68.3105	53.67254	1102.293	1102.293	1100.567	1095.567	1.875	.2456584	0
19	34	145.2377	32.62847	1870.13	1101.603	-68.3105	53.67254	1105.059	1105.059	1093.824	1088.824	1.9052	1.276042	0
	35	110.8378	27.42017	1870.13	1101.551	-12.15999	53.67254	1106.953	1106.953	1085.535	1080.535	.7442835	.6279893	0
	36	97.01505	24.24648	1870.13	1103.029	-12.15999	53.67254	1114.521	1114.521	1083.5	1078.5	.1	.1	0

19	37	97.83537	24.49834	1870.13	1105.248	-12.15999	53.67254	1121.732	1121.732	1084.349	1079.349	.1	.1	0
19	38	99.40891	24.80921	1870.13	1108.34	-36.47998	53.67254	1121.352	1121.352	1087.827	1082.827	.1	.1	0
19	39	100.4207	25.01266	1870.13	1111.72	-36.47998	53.67254	1118.112	1118.112	1089.767	1084.767	.1	.1	0
19	40	151.3041	13.533	2805.195	1115.594	-102.4658	80.50881	1130.624	1130.624	1088.63	1083.63	.1	.1	0
19	41	227.2075	14.12671	3740.26	1121.864	-136.621	107.3451	1134.959	1134.959	1088.349	1083.349	.297051	.250637	0
19	42	216.7343	16.92907	3740.26	1124.504	-136.621	107.3451	1130.273	1130.273	1090.04	1085.04	.1977581	.1668584	0
19	43	320.3372	19.48702	3740.26	1122.042	-27.35998	107.3451	1128.14	1128.14	1092.456	1087.456	.947407	.947407	0
19	44	300.9032	18.8316	3740.26	1117.981	-136.621	107.3451	1114.598	1114.598	1093.947	1088.947	.940001	.940001	0
19	45	300.8842	18.81916	3740.26	1119.253	-136.621	107.3451	1120.487	1120.487	1095.705	1090.705	.94	.94	0
19	46	301.1576	18.73481	3740.26	1120.572	-18.23998	107.3451	1123.253	1123.253	1097.425	1092.425	.94	.94	0
19	47	299.0346	19.02694	3740.26	1121.754	-18.23998	107.3451	1126.549	1126.549	1098.939	1093.939	.940048	.805796	0
19	48	320.9559	19.90162	3740.26	1122.31	-18.23998	107.3451	1123.619	1123.619	1100.208	1095.208	.94	1.486197	0
19	49	341.4469	20.91075	3740.26	1122.495	-18.23998	107.3451	1123.02	1123.02	1101.035	1096.035	.94	2.371895	0
19	50	374.3658	21.15619	3740.26	1122.574	-18.23998	107.3451	1123.597	1123.597	1101.843	1096.843	.943961	3.27353	0
19	51	343.5979	19.88671	3740.26	1122.518	-18.23998	107.3451	1123.87	1123.87	1101.123	1096.123	.920427	2.857392	0
19	52	302.3929	18.18085	3740.26	1123.077	-136.621	107.3451	1124.086	1124.086	1100.279	1095.279	.939419	.939419	0
19	53	277.5737	16.97891	3740.26	1121.074	-105.1199	107.3451	1120.617	1120.617	1099.272	1094.272	.773273	.773273	0
19	54	262.4216	15.75481	3740.26	1118.621	-136.621	107.3451	1118.714	1118.714	1098.285	1093.285	.667761	.667761	0
19	55	241.8433	14.77848	3740.26	1113.794	-136.621	107.3451	1116.13	1116.13	1097.589	1092.589	.532246	.532246	0
19	56	234.0633	14.14146	3740.26	1108.584	-136.621	107.3451	1114.593	1114.593	1095.976	1090.976	.544821	.544821	0
19	57	220.9811	14.26523	3740.26	1102.522	-136.621	20000	1102.5	1101.5	1094.956	1089.956	.5366	.5366	12
19	58	232.5039	15.8232	3740.26	1109.937	-136.621	107.3451	1119.097	1119.097	1094.492	1089.492	.532894	.532894	0
19	59	268.2705	17.10498	3740.26	1124.347	-136.621	107.3451	1124.514	1124.514	1092.786	1087.786	.537788	.537788	0
19	60	275.7062	17.09553	3740.26	1130.612	-136.621	107.3451	1129.812	1129.812	1091.727	1086.727	.495155	.495155	0
19	61	269.0828	16.91621	3740.26	1135.371	-136.621	107.3451	1136.102	1136.102	1090.707	1085.707	.403176	.403176	0
19	62	271.1824	16.79725	3740.26	1135.869	-136.621	107.3451	1141.227	1141.227	1089.18	1084.18	.403	.403	0
19	63	265.5992	16.20469	3740.26	1131.811	-105.1199	107.3451	1146.324	1146.324	1088.156	1083.156	.403	.403	0
19	64	252.7766	15.79188	3740.26	1122.909	-36.47998	20000	1122.9	1121.9	1086.683	1081.683	.403	.403	20
20	1	41432.21	2753.199	3740.26	1117.729	-12.15999	20000	1118.7	1117.7	980.3576	975.3576	78.96808	39.48404	19
20	2	41155.95	2745.886	3740.26	1112.066	-12.15999	107.3451	1126.126	1126.126	981.5333	976.5333	82.17114	41.08557	0
20	3	40284.62	2647.09	3740.26	1107.027	-12.15999	107.3451	1123.875	1123.875	982.1349	977.1349	86.24126	43.12063	0
20	4	38867.49	2535.327	3740.26	1102.532	-12.15999	107.3451	1128.971	1128.971	986.8992	981.8992	85.83548	42.91774	0
20	5	39129.73	2431.958	3740.26	1098.73	-12.15999	107.3451	1134.418	1134.418	990.0016	985.0016	90.7204	45.3602	0
20	6	35935.02	2277.363	3740.26	1095.625	-12.15999	107.3451	1137.552	1137.552	993.6993	988.6993	89.16926	44.58463	0
20	7	35169.98	2179.996	3740.26	1092.881	0	107.3451	1146.795	1146.795	997.7574	992.7574	90.67692	45.33846	0
20	8	33511.55	2086.448	3740.26	1090.675	0	107.3451	1138.435	1138.435	999.2157	994.2157	90.8	45.4	0
20	9	32111.84	1989.304	3740.26	1088.44	0	107.3451	1130.159	1130.159	1001.493	996.493	90.59124	45.29562	0
20	10	121240.5	2853.894	3740.26	1086.742	0	107.3451	1112.164	1112.164	1003.852	998.8517	90.8	45.4	0
20	11	59564.12	3709.168	3740.26	1086.455	0	107.3451	1103.519	1103.519	1006.252	1001.252	181.6	90.80002	0
20	12	57950.23	3594.006	3740.26	1085.927	0	20000	1085.4	1084.4	1008.059	1003.059	181.6	90.8	16
20	13	56305.45	3481.282	3740.26	1085.518	0	20000	1085.3	1084.3	1010.393	1005.393	181.6	90.8	16
20	14	54639.67	3346.153	3740.26	1085.557	-136.621	20000	1085.3	1084.3	1012.657	1007.657	181.593	90.7965	16
20	15	52445.74	3717.921	3740.26	1085.891	-136.621	107.3451	1086.5	1086.5	1017.118	1012.118	182.5983	91.29916	0
20	16	64533.91	3409.931	3740.26	1086.058	-136.621	107.3451	1089.5	1089.5	1021.01	1016.01	246.7016	123.3508	0
20	17	36495.92	2347.583	3740.26	1086.175	-105.5999	107.3451	1095.5	1095.5	1025.883	1020.883	161.5591	161.5591	0
20	18	19838.03	2917.806	2805.195	1086.391	-102.4658	80.50881	1096.689	1096.689	1028.975	1023.975	130.7987	130.7987	0
20	19	5381.842	1138.494	1870.13	1086.643	-68.3105	53.67254	1097.44	1097.44	1032.544	1027.544	58.16825	58.16825	0
20	20	2584.93	501.0433	1870.13	1087.277	-68.3105	53.67254	1098.637	1098.637	1037.474	1032.474	19.51136	14.63351	0
20	21	2063.15	409.1634	1870.13	1088.155	-68.3105	53.67254	1099.048	1099.048	1044.353	1039.353	18.61996	13.96497	0
20	22	1457.622	202.2803	1870.13	1088.963	-68.3105	53.67254	1097.785	1097.785	1052.26	1047.26	16.66849	12.50137	0
20	23	186.3374	47.87335	1870.13	1090.354	-68.3105	53.67254	1095.821	1095.821	1060.327	1055.327	1.59207	1.343308	0
20	24	167.0174	66.31332	1870.13	1095.17	-68.3105	53.67254	1098.931	1098.931	1068.434	1063.434	1.720134	1.451362	0
20	25	272.8841	78.60229	1870.13	1098.079	-68.3105	53.67254	1098.469	1098.469	1074.736	1069.736	4.54584	3.835552	0
20	26	350.1964	75.87558	1870.13	1099.904	-68.3105	53.67254	1098.529	1098.529	1078.116	1073.116	3.860636	3.257412	2
20	27	514.8769	71.43134	1870.13	1100.911	-68.3105	53.67254	1098.5	1098.5	1080.319	1075.486	4.745528	3.203366	2
20	28	414.3107	52.5889	1870.13	1100.564	-68.3105	53.67254	1097.123	1097.123	1084.743	1077.659	4.634428	1.18549	2
20	29	235.1581	625.3891	1870.13	1100.108	-68.3105	53.67254	1098.29	1098.29	1091.652	1081.847	3.141994	1.009934	2
20	30	4898.418	620.9302	1870.13	1100.052	-68.3105	53.67254	1098.377	1098.377	1093.736	1086.536	1.452365	1.131732	2
20	31	251.0269	640.5841	1870.13	1100.314	-68.3105	53.67254	1100.317	1100.317	1096.502	1091.691	1.802328	2.026262	2
20	32	5222.481	637.5132	3740.26	1100.346	-68.3105	53.67254	1105.545	1105.545	1100.487	1095.465	1.398407	.2539658	0

20	33	177.554	32.24196	1870.13	1100.742	-68.3105	53.67254	1107.589	1107.589	1099.902	1094.874	1.875	.431495	0
2	34	447.4967	31.39041	1870.13	1103.52	-68.3105	53.67254	1110.123	1110.123	1092.947	1087.947	1.929339	1.578985	0
2	35	123.6813	24.54303	1870.13	1103.587	-12.15999	53.67254	1113.478	1113.478	1085.877	1080.877	.1420165	.1198264	0
20	36	97.76349	24.46613	1870.13	1105.508	-12.15999	53.67254	1120.504	1120.504	1084.385	1079.385	.1	.1	0
2	37	98.99924	24.81273	1870.13	1107.956	-12.15999	53.67254	1126.155	1126.155	1086.744	1081.744	.1	.1	0
[illegible]	38	100.901	25.1482	1870.13	1111.278	-36.47998	53.67254	1126.47	1126.47	1091.739	1086.739	.1	.1	0
20	39	101.7712	25.30988	1870.13	1114.734	-68.3105	53.67254	1123.797	1123.797	1092.778	1087.778	.1	.1	0
20	40	153.3602	13.27614	2805.195	1118.023	-70.07994	80.50881	1134.911	1134.911	1091.485	1086.485	.1	.1	0
2	41	246.9022	13.61965	3740.26	1123.381	-70.07994	107.3451	1135.677	1135.677	1091.255	1086.255	.2197426	.1854077	0
20	42	234.1684	16.6379	3740.26	1125.324	-70.07994	107.3451	1131.883	1131.883	1092.369	1087.369	.1537514	.1297277	0
20	43	314.2103	19.34051	3740.26	1122.645	-27.35998	107.3451	1127.436	1127.436	1094.411	1089.411	.946986	.946986	0
2	44	296.703	18.78012	3740.26	1118.871	-136.621	107.3451	1117.896	1117.896	1095.487	1090.487	.939998	.939998	0
2	45	297.3354	18.80845	3740.26	1120.07	-18.23998	107.3451	1121.888	1121.888	1096.928	1091.928	.940023	.940023	0
20	46	305.2795	18.7772	3740.26	1121.479	-18.23998	107.3451	1124.439	1124.439	1098.541	1093.541	.94	.94	0
2	47	311.3523	19.72247	3740.26	1122.679	-18.23998	107.3451	1127.049	1127.049	1099.987	1094.987	.940034	.845026	0
2	48	364.1409	21.49855	3740.26	1123.347	-18.23998	107.3451	1125.584	1125.584	1101.103	1096.103	.94	2.474609	0
20	49	393.5831	23.82755	3740.26	1123.577	-18.23998	107.3451	1124.629	1124.629	1101.88	1096.88	.94	3.794164	0
20	50	423.2003	23.71654	3740.26	1123.589	-18.23998	107.3451	1124.062	1124.062	1102.859	1097.859	.938758	6.417199	0
2	51	358.0033	20.48772	3740.26	1123.449	-18.23998	107.3451	1124.851	1124.851	1101.812	1096.812	.889699	3.84884	0
20	52	286.3804	18.06706	3740.26	1123.696	-136.621	107.3451	1126.09	1126.09	1100.88	1095.88	.93959	.93959	0
20	53	271.9086	16.7708	3740.26	1121.728	-105.1199	107.3451	1121.353	1121.353	1099.621	1094.621	.72283	.72283	0
2	54	260.1418	15.76174	3740.26	1119.491	-136.621	107.3451	1119.901	1119.901	1098.509	1093.509	.626006	.626006	0
2	55	245.4169	14.96568	3740.26	1115.179	-136.621	107.3451	1124.794	1124.794	1097.85	1092.85	.532653	.532653	0
20	56	237.6595	14.29881	3740.26	1110.052	-136.621	107.3451	1116.651	1116.651	1095.844	1090.844	.544392	.544392	0
20	57	223.8293	14.07758	3740.26	1103.02	-136.621	20000	1103	1102	1094.765	1089.765	.54369	.54369	12
2	58	230.1373	15.4752	3740.26	1105.668	-136.621	20000	1105.6	1104.6	1093.413	1088.413	.533015	.533015	12
20	59	262.4462	16.89356	3740.26	1123.193	-136.621	107.3451	1123.602	1123.602	1092.443	1087.443	.527963	.527963	0
20	60	268.7909	16.95378	3740.26	1129.733	-136.621	107.3451	1128.993	1128.993	1091.316	1086.316	.483316	.483316	0
2	61	268.0651	16.85036	3740.26	1134.441	-136.621	107.3451	1134.76	1134.76	1090.364	1085.364	.403311	.403311	0
2	62	270.2527	16.75161	3740.26	1135.09	-105.1199	107.3451	1140.083	1140.083	1088.719	1083.719	.403	.403	0
[illegible]	63	265.0314	16.1938	3740.26	1131.247	-70.07994	107.3451	1145.163	1145.163	1087.705	1082.705	.403	.403	0
[illegible]	64	252.9752	15.80519	3740.26	1123.009	-36.47998	20000	1123	1122	1086.615	1081.615	.403	.403	20
2	1	18989.66	3612.842	5610.39	1116.75	-12.15999	30000	1117.4	1116.4	980.5363	975.5363	69.36784	34.68392	19
21	2	18597.96	3516.225	5610.39	1111.075	-12.15999	161.0176	1127.006	1127.006	981.9244	976.9244	72.90058	36.45029	0
21	3	17645.93	3449.875	5610.39	1105.929	-12.15999	161.0176	1125.454	1125.454	982.811	977.811	72.49296	36.24648	0
2	4	17414.43	3509.249	5610.39	1101.374	-12.15999	161.0176	1129.691	1129.691	987.2956	982.2956	79.2802	39.6401	0
21	5	16773.22	3389.383	5610.39	1097.615	-12.15999	161.0176	1134.396	1134.396	990.2264	985.2264	85.73668	42.86834	0
21	6	16307.96	3250.049	5610.39	1094.559	-12.15999	161.0176	1131.436	1131.436	994.2067	989.2067	83.63112	41.81556	0
2	7	16085.11	3168.899	5610.39	1091.88	0	161.0176	1134.228	1134.228	998.2591	993.2591	90.26828	45.13414	0
2	8	15534.16	3022.521	5610.39	1089.819	0	161.0176	1122.14	1122.14	1000.301	995.3014	88.76028	44.38014	0
21	9	15557.7	11392.83	5610.39	1087.551	0	161.0176	1113.205	1113.205	1002.777	997.7768	90.46402	45.23201	0
2	10	60111.56	12669.6	5610.39	1086.526	0	161.0176	1100.782	1100.782	1005.174	.074	90.8	45.4	0
2	11	29234.61	5453.219	5610.39	1086.031	0	30000	1085.4	1084.4	1007.565	1002.565	181.6	90.80002	16
21	12	28432.13	5320.462	5610.39	1085.709	0	30000	1085.4	1084.4	1009.354	1004.354	181.6	90.8	16
21	13	27820.29	5179.182	5610.39	1085.492	-204.9315	30000	1085.3	1084.3	1010.928	1005.928	181.6	90.8	16
2	14	27109.23	5020.028	5610.39	1085.692	-204.9315	161.0176	1084.098	1084.098	1013.487	1008.487	181.5897	90.79484	0
21	15	26502.65	5389.961	5610.39	1086	-204.9315	161.0176	1088.5	1088.5	1017.386	1012.386	184.8383	92.41916	0
21	16	29398.43	4356.65	5610.39	1086.161	-158.3998	161.0176	1091.5	1091.5	1020.847	1015.847	229.1116	114.5558	0
2	17	12962.51	2379.871	5610.39	1086.277	-105.5999	161.0176	1098.693	1098.693	1026.402	1021.401	117.6363	117.6363	0
2	18	6379.877	2600.989	4207.792	1086.547	-105.5999	120.7632	1097.128	1097.128	1029.899	1024.899	80.98224	80.98224	0
21	19	1520.033	1279.798	2805.195	1086.852	-102.4658	80.50881	1098.886	1098.886	1033.928	1028.928	32.34382	32.34382	0
21	20	1186.491	991.4651	2805.195	1087.619	-102.4658	80.50881	1100.079	1100.079	1039.108	1034.108	27.41993	27.41993	0
2	21	902.2726	706.5447	2805.195	1088.531	-102.4658	80.50881	1098.548	1098.548	1045.683	1040.683	23.03477	23.03477	0
21	22	596.8033	313.0645	2805.195	1089.496	-102.4658	80.50881	1097.428	1097.428	1053.295	1048.295	17.09989	17.09989	0
21	23	82.69756	60.698	2805.195	1091.064	-102.4658	80.50881	1098.451	1098.451	1061.188	1056.188	1.327278	1.990916	0
[illegible]	24	71.41776	65.49308	2805.195	1096.385	-102.4658	80.50881	1098.558	1098.558	1069.003	1064.003	.8090575	1.213586	0
[illegible]	25	128.2878	115.7517	2805.195	1099.542	-102.4658	80.50881	1098.5	1098.5	1075.258	1070.258	1.870478	2.805716	1
21	26	253.8188	210.5891	2805.195	1101.344	-102.4658	80.50881	1098.5	1098.5	1080.062	1075.055	5.61632	8.079244	2
2	27	437.0875	241.2983	2805.195	1102.167	-102.4658	80.50881	1098.5	1098.5	1082.3	1076.463	12.50426	10.75811	2
2	28	353.1267	164.6674	2805.195	1102.039	-102.4658	80.50881	1098.451	1098.451	1088.628	1077.576	14.22964	4.591316	0

21	29	188.7776	987.0074	2805.195	1101.376	-102.4658	80.50881	1098.968	1098.968	1098.703	1082.308	9.459256	4.900126	0
21	30	2494.98	999.6466	2805.195	1101.229	-102.4658	80.50881	1101.226	1101.226	1100.828	1087.704	4.394774	4.92609	0
21	31	204.7272	1091.689	2805.195	1101.489	-102.4658	80.50881	1104.121	1104.121	1097.061	1091.482	6.05288	19.84817	2
21	32	2766.385	1068.743	2805.195	1101.552	-102.4658	80.50881	1107.238	1107.238	1097.281	1093.799	11.34532	57.21124	0
21	33	208.7406	186.0311	2805.195	1102.143	-102.4658	80.50881	1112.94	1112.94	1099.581	1094.544	15	7.572402	0
21	34	386.9687	167.1061	2805.195	1104.188	-102.4658	80.50881	1114.405	1114.405	1091.101	1086.101	15.6277	24.03892	0
21	35	76.76744	46.22723	2805.195	1104.956	-12.15999	80.50881	1120.397	1120.397	1085.636	1080.636	1.04063	1.560944	0
21	36	49.31323	37.08682	2805.195	1107.72	-102.4658	80.50881	1126.776	1126.776	1086.047	1081.047	.1	.1	0
21	37	50.13752	37.74352	2805.195	1110.287	-23.35998	80.50881	1132.383	1132.383	1090.355	1085.355	.1	.1	0
21	38	51.08895	38.27979	2805.195	1113.771	-70.07994	80.50881	1137.635	1137.635	1096.418	1091.46	.1	.1	0
21	39	51.43431	38.53945	2805.195	1117.08	-70.07994	80.50881	1135.774	1135.774	1096.901	1092.177	.1	.1	0
21	40	77.85918	22.4029	4207.792	1120.042	-70.07994	120.7632	1135.648	1135.648	1097.077	1092.052	.1	.1	0
21	41	143.2378	24.6709	5610.39	1124.674	-70.07994	161.0176	1136.558	1136.558	1096.749	1091.749	.5597128	.733658	0
21	42	126.6805	26.45366	5610.39	1126.088	-70.07994	161.0176	1134.124	1134.124	1096.953	1091.953	.4072256	.6108384	0
21	43	152.9965	28.26236	5610.39	1123.264	-27.35998	161.0176	1125.944	1125.944	1098.051	1093.051	.94427	.94427	0
21	44	144.2253	27.52093	5610.39	1119.344	-204.9315	161.0176	1118.153	1118.153	1098.573	1093.573	.93983	.93983	0
21	45	146.5095	28.28248	5610.39	1120.821	-18.23998	161.0176	1122.889	1122.889	1099.471	1094.471	.940291	.838773	0
21	46	167.0022	29.64343	5610.39	1122.327	-18.23998	161.0176	1125.459	1125.459	1100.679	1095.679	.939677	1.498583	0
21	47	180.3348	33.74377	5610.39	1123.538	-18.23998	161.0176	1128.088	1128.088	1101.798	1096.798	.945348	2.096349	0
21	48	213.6063	38.7888	5610.39	1124.233	-18.23998	161.0176	1129.823	1129.823	1102.849	1097.846	.940592	5.822707	0
21	49	223.3568	40.83213	5610.39	1124.481	-18.23998	161.0176	1129.296	1129.296	1103.472	1098.469	.910231	7.688481	0
21	50	210.2882	37.66302	5610.39	1124.451	-35.03998	161.0176	1125.592	1125.592	1103.913	1098.904	.862561	8.426222	0
21	51	181.2866	29.67939	5610.39	1124.269	-35.03998	161.0176	1126.332	1126.332	1102.803	1097.803	.78811	4.782454	0
21	52	135.435	25.239	5610.39	1124.014	-52.55998	161.0176	1129.881	1129.881	1101.493	1096.493	.649539	.644966	0
21	53	134.306	24.72352	5610.39	1122.164	-105.1199	161.0176	1122.237	1122.237	1099.661	1094.661	.647606	.647606	0
21	54	129.026	23.75351	5610.39	1119.961	-140.1599	161.0176	1121.595	1121.595	1098.279	1093.279	.591416	.591416	0
21	55	124.98	22.83989	5610.39	1116.022	-140.1599	161.0176	1127.493	1127.493	1096.443	1091.443	.54166	.54166	0
21	56	120.7471	21.81635	5610.39	1111.022	-140.1599	161.0176	1118.849	1118.849	1095.562	1090.562	.561001	.561001	0
21	57	115.1578	21.443	5610.39	1104.018	-140.1599	30000	1104	1103	1094.34	1089.34	.565224	.565224	12
21	58	116.6698	22.9669	5610.39	1105.62	-140.1599	30000	1105.6	1104.6	1093.282	1088.282	.57479	.57479	12
21	59	127.558	24.46313	5610.39	1122.105	-140.1599	161.0176	1121.891	1121.891	1091.527	1086.527	.478226	.478226	0
21	60	130.3346	24.89958	5610.39	1128.734	-140.1599	161.0176	1127.418	1127.418	1090.337	1085.337	.427779	.427779	0
21	61	133.3115	25.19175	5610.39	1133.255	-105.1199	161.0176	1132.288	1132.288	1088.879	1083.879	.403	.403	0
21	62	134.3371	25.05547	5610.39	1134.199	-70.07994	161.0176	1138.226	1138.226	1088.102	1083.102	.403	.403	0
21	63	132.0132	24.27243	5610.39	1130.677	-70.07994	161.0176	1143.211	1143.211	1087.259	1082.259	.403	.403	0
21	64	126.6384	23.72507	5610.39	1123.107	-36.47998	30000	1123.1	1122.1	1086.582	1081.582	.402996	.402996	20
22	1	18558.19	4579.783	7480.52	1114.665	-12.15999	40000	1115.4	1114.4	980.5589	975.5589	68.21746	34.10873	19
22	2	17637.18	4372.674	7480.52	1108.751	-12.15999	214.6902	1127.967	1127.967	982.1615	977.1615	69.34238	34.67119	0
22	3	16748.28	4165.257	7480.52	1103.288	-12.15999	214.6902	1127.894	1127.894	983.0025	978.0025	69.14464	34.57232	0
22	4	15736.19	3867.913	7480.52	1098.645	0	214.6902	1124.945	1124.945	987.6895	982.6895	71.57432	35.78716	0
22	5	14384.9	3751.117	7480.52	1094.845	0	214.6902	1129.985	1129.985	990.9929	985.9929	68.62868	34.31434	0
22	6	14509.1	3764.867	7480.52	1092.107	0	214.6902	1118.234	1118.234	994.7136	989.7136	76.6002	38.3001	0
22	7	13555.79	3679.618	7480.52	1089.556	0	214.6902	1109.25	1109.25	999.0019	994.0019	79.00966	39.50483	0
22	8	13787.29	3742.937	7480.52	1087.995	0	214.6902	1105.569	1105.569	1001.104	996.1041	81.7701	40.88505	0
22	9	13717.04	3726.875	7480.52	1086.024	0	40000	1085.4	1084.4	1004.051	999.0515	90.0224	45.0112	16
22	10	13810.14	5443.746	7480.52	1085.999	0	40000	1085.4	1084.4	1006.446	1001.446	88.2866	44.1433	16
22	11	28351.86	7145.726	7480.52	1085.663	0	40000	1085.4	1084.4	1008.91	1003.91	182.5899	91.29496	16
22	12	28030.04	6969.157	7480.52	1085.569	-273.242	40000	1085.4	1084.4	1010.695	1005.695	181.6	90.80002	16
22	13	27408	6826.803	7480.52	1085.56	-211.1998	40000	1085.3	1084.3	1012.267	1007.267	181.6	90.8	16
22	14	26817.05	6709.597	7480.52	1085.949	-211.1998	214.6902	1090.355	1090.355	1014.209	1009.209	181.5877	90.79384	0
22	15	26596.69	6788.654	7480.52	1086.235	-211.1998	214.6902	1097.001	1097.001	1017.75	1012.75	187.279	93.63952	0
22	16	25855.18	4781.368	7480.52	1086.394	-213.5998	214.6902	1098.849	1098.849	1020.9	1015.9	202.8976	101.4488	0
22	17	8973.306	2194.092	7480.52	1086.545	-105.5999	214.6902	1099.728	1099.728	1027.093	1022.093	81.65518	81.65518	0
22	18	4280.399	2305.299	5610.39	1086.991	-158.3998	161.0176	1097.816	1097.816	1031.087	1026.087	56.55836	56.55836	0
22	19	916.0601	1000.127	3740.26	1087.403	-136.621	107.3451	1096.981	1096.981	1035.292	1030.292	19.17894	19.17894	0
22	20	694.4707	766.8105	3740.26	1088.343	-136.621	107.3451	1099.834	1099.834	1040.355	1035.355	15.70805	15.70805	0
22	21	562.6191	557.0164	3740.26	1089.523	-136.621	107.3451	1100.477	1100.477	1046.506	1041.506	13.04455	13.04455	0
22	22	402.8318	262.0816	3740.26	1090.947	-136.621	107.3451	1099.464	1099.464	1053.67	1048.67	9.697531	9.697531	0
22	23	89.49593	73.18465	3740.26	1093.459	-136.621	107.3451	1098.5	1098.5	1061.748	1056.748	.84871	1.273065	1
22	24	105.1604	112.3814	3740.26	1099.425	-136.621	107.3451	1098.5	1098.5	1070.026	1065.026	.77848	1.167719	1

22	25	364.4966	227.7709	3740.26	1102.498	-136.621	107.3451	1098.404	1098.404	1076.775	1071.775	3.266918	4.90038	1
22	5	980.1271	410.1208	3740.26	1103.976	-136.621	107.3451	1098.164	1098.164	1082.526	1077.436	8.995164	12.58395	0
22	[illegible]7	1814.389	468.4832	3740.26	1104.562	-136.621	107.3451	1098.807	1098.807	1083.874	1076.151	21.15356	4.535226	0
22	28	1188.65	322.3478	3740.26	1104.522	-136.621	107.3451	1101.795	1101.795	1091.299	1078.275	23.4445	4.911584	0
22	9	478.2365	1367.748	3740.26	1103.789	-136.621	107.3451	1105.475	1105.475	1097.113	1082.36	14.63527	5.512886	0
[illegible]	0	2614.109	1366.845	3740.26	1103.34	-136.621	107.3451	1107.89	1107.89	1097.927	1088.235	7.106286	5.427256	0
22	31	380.0383	1515.526	3740.26	1103.574	-136.621	107.3451	1105.864	1105.864	1097.172	1092.287	12.36865	19.6875	2
22	32	2997.037	1550.135	3740.26	1103.601	-136.621	107.3451	1109.316	1109.316	1098.748	1094.188	14.0531	56.47172	0
22	3	403.7971	347.6678	3740.26	1104.087	-136.621	107.3451	1112.653	1112.653	1098.732	1094.32	15.23553	36.9403	0
22	34	283.4189	240.928	3740.26	1105.362	-136.621	107.3451	1117.962	1117.962	1090.262	1085.262	15.75049	23.62574	0
22	35	81.6134	64.44435	3740.26	1107.027	-136.621	107.3451	1124.089	1124.089	1084.712	1079.712	1.115619	1.673428	0
22	6	60.81799	50.00165	3740.26	1110.704	-136.621	107.3451	1130.357	1130.357	1087.51	1082.51	.1	.1	0
22	7	52.62403	50.90178	3740.26	1113.715	-23.35998	107.3451	1133.439	1133.439	1093.108	1088.108	.1	.1	0
22	38	78.56516	51.48354	3740.26	1117.432	-70.07994	107.3451	1136.74	1136.74	1097.594	1092.753	.1	.1	0
22	39	89.69954	51.95449	3740.26	1120.617	-70.07994	107.3451	1138.729	1138.729	1095.968	1092.408	.1	.1	0
22	0	136.4607	31.89197	5610.39	1123.26	-70.07994	161.0176	1137.267	1137.267	1100.572	1096.018	.1	.1	0
22	41	190.974	34.58503	7480.52	1126.898	-70.07994	214.6902	1138.335	1138.335	1101.885	1096.886	.5127192	2.545048	0
22	42	147.6878	34.64771	7480.52	1127.813	-70.07994	214.6902	1136.417	1136.417	1101.337	1096.337	.3952714	.5935202	0
22	3	148.8899	36.62231	7480.52	1124.593	-36.47998	214.6902	1127.946	1127.946	1102.032	1097.032	.934834	.934834	0
22	4	140.2589	35.98911	7480.52	1119.175	-27.35998	214.6902	1116.617	1116.617	1101.492	1096.492	.938721	.938721	0
22	45	176.5853	40.66793	7480.52	1122.209	-18.23998	214.6902	1122.982	1122.982	1102.371	1097.371	.939774	.901844	0
22	6	190.3778	47.30967	7480.52	1123.807	-18.23998	214.6902	1125.812	1125.812	1102.653	1097.653	.92858	4.023409	0
22	7	213.1773	53.49358	7480.52	1124.989	-18.23998	214.6902	1128.272	1128.272	1103.275	1098.275	.940054	5.822389	0
22	48	241.3428	57.52239	7480.52	1125.722	-18.23998	214.6902	1132.273	1132.273	1103.768	1098.926	.905864	9.157217	0
22	49	243.3938	53.96841	7480.52	1126.04	-18.23998	214.6902	1132.42	1132.42	1104.216	1099.374	.849693	9.678916	0
22	0	208.0236	47.67633	7480.52	1126.047	-35.03998	214.6902	1128.881	1128.881	1104.846	1099.846	.69689	7.008764	0
22	51	190.6938	39.60789	7480.52	1125.697	-35.03998	214.6902	1127.473	1127.473	1103.302	1098.315	.672808	5.092662	0
22	52	156.498	33.78325	7480.52	1124.588	-52.55998	214.6902	1125.87	1125.87	1101.354	1096.354	.649258	.639361	0
22	53	137.3208	32.8683	7480.52	1122.321	-105.1199	214.6902	1121.989	1121.989	1099.755	1094.755	.589237	.924057	0
22	54	128.2179	31.83018	7480.52	1120.124	-140.1599	214.6902	1120.589	1120.589	1098.22	1093.22	.567979	.567979	0
[illegible]	55	125.9989	30.9786	7480.52	1116.723	-140.1599	214.6902	1121.599	1121.599	1096.661	1091.661	.575164	.575164	0
[illegible]	56	121.9251	29.88776	7480.52	1112.092	-140.1599	214.6902	1114.844	1114.844	1095.281	1090.281	.572738	.572738	0
22	57	118.1923	29.36624	7480.52	1107.776	-140.1599	214.6902	1112.65	1112.65	1093.949	1088.949	.564126	.564126	0
22	58	115.0492	30.43441	7480.52	1106.514	-140.1599	40000	1106.5	1105.5	1092.344	1087.344	.574992	.574992	12
22	59	124.9678	31.85564	7480.52	1120.736	-140.1599	214.6902	1121.65	1121.65	1090.756	1085.756	.44494	.44494	0
22	60	128.7373	32.71209	7480.52	1127.602	-105.1199	214.6902	1127.185	1127.185	1089.606	1084.606	.401959	.401959	0
22	61	132.4136	33.32314	7480.52	1131.916	-70.07994	214.6902	1132.524	1132.524	1088.741	1083.741	.40298	.40298	0
22	62	133.3904	33.18026	7480.52	1132.719	-70.07994	214.6902	1136.932	1136.932	1087.856	1082.856	.403	.403	0
22	63	131.4454	32.29966	7480.52	1129.726	-70.07994	214.6902	1141.613	1141.613	1087.133	1082.133	.403	.403	0
22	64	126.8097	31.68579	7480.52	1123.306	-36.47998	40000	1123.3	1122.3	1086.452	1081.452	.40299	.40299	20
23	1	18246.61	4469.057	7480.52	1112.404	-12.15999	40000	1113.2	1112.2	980.5364	975.5364	68.4	34.2	19
23	2	17096.55	4223.69	7480.52	1106.118	-12.15999	214.6902	1128.052	1128.052	982.3526	977.3526	68.4	34.2	0
23	3	16146.21	3955.861	7480.52	1100.232	-12.15999	214.6902	1125.788	1125.788	983.2112	978.2112	68.68058	34.34029	0
23	4	14821.55	3662.36	7480.52	1095.33	0	214.6902	1117.501	1117.501	988.1002	983.1002	68.93312	34.46656	0
23	5	13761.44	3472.383	7480.52	1091.308	0	214.6902	1111.635	1111.635	991.0402	986.0402	68.43618	34.21809	0
23	6	13223.68	3251.355	7480.52	1089.305	0	214.6902	1103.829	1103.829	995.306	990.306	70.49406	35.24703	0
23	7	12255.75	3156.151	7480.52	1086.513	0	40000	1085.5	1084.5	999.7667	994.7667	68.87862	34.43931	16
23	8	12341.74	3133.144	7480.52	1086.058	0	40000	1085.5	1084.5	1001.843	996.843	74.0403	37.02015	16
23	9	11785.88	3154.921	7480.52	1085.58	0	40000	1085.4	1084.4	1004.862	999.8622	72.74896	36.37448	16
23	10	12305.68	5096.754	7480.52	1085.566	-273.242	40000	1085.4	1085.4	1007.627	1002.627	80.88492	40.44246	16
23	11	25021.67	6949.747	7480.52	1085.615	-273.242	40000	1085.4	1084.4	1010.252	1005.252	177.4956	88.74782	16
23	12	26758.14	6890.352	7480.52	1085.639	-273.242	40000	1085.4	1084.4	1011.988	1006.988	182.7609	91.38046	16
23	13	26104.33	6729.459	7480.52	1085.9	-273.242	214.6902	1089.357	1089.357	1013.609	1008.609	181.6	90.8	0
23	14	26318.72	6643.837	7480.52	1086.228	-211.1998	214.6902	1097.93	1097.93	1015.626	1010.626	181.5686	90.7843	0
23	15	26428.23	6324.313	7480.52	1086.491	-211.1998	214.6902	1102.353	1102.353	1018.4	1013.4	187.5361	93.76804	0
[illegible]	16	22696.98	3925.754	7480.52	1086.665	-213.5998	214.6902	1099.165	1099.165	1021.255	1016.257	176.6157	88.30784	0
[illegible]	17	6406.448	1476.035	7480.52	1086.891	-158.3998	214.6902	1098.421	1098.421	1028.42	1023.421	57.38334	57.38334	0
23	18	3892.545	1464.36	5610.39	1087.622	-204.9315	161.0176	1098.35	1098.35	1032.826	1027.826	36.6652	36.6652	0
23	19	777.0665	610.4042	3740.26	1088.18	-136.621	107.3451	1098.088	1098.088	1037.211	1032.211	11.87914	11.87914	0
23	20	545.0475	490.2792	3740.26	1089.435	-136.621	107.3451	1098.975	1098.975	1042.019	1037.019	9.207368	9.207368	1

23	21	463.8098	408.4346	3740.26	1091.072	-136.621	107.3451	1102.297	1102.297	1047.627	1042.627	8.719975	8.719975	1
23	2	374.2259	230.2462	3740.26	1093.091	-136.621	107.3451	1099.54	1099.54	1054.623	1049.623	7.2766	7.2766	1
23	23	131.8026	121.4717	3740.26	1096.628	-136.621	107.3451	1098.5	1098.5	1063.015	1058.015	1.627079	1.627079	1
23	24	237.3229	357.2756	3740.26	1102.007	-136.621	107.3451	1098.389	1098.389	1071.68	1066.68	2.693667	2.693667	1
23	5	944.317	1116.853	3740.26	1104.399	-136.621	107.3451	1101.431	1101.431	1079.213	1074.187	16.85757	21.21074	1
23	6	3563.322	2384.395	3740.26	1105.257	-136.621	107.3451	1103.654	1103.654	1084.894	1079.774	63.1277	63.8369	0
23	27	7015.83	2534.555	3740.26	1105.551	-136.621	107.3451	1104.969	1104.969	1085.689	1076.558	152.0531	5.29499	0
23	28	3754.845	1344.538	3740.26	1105.575	-136.621	107.3451	1104.95	1104.95	1091.308	1078.134	128.2119	6.53553	0
23	9	1133.228	1724.598	3740.26	1105.309	-136.621	107.3451	1107.667	1107.667	1095.716	1083.448	62.5943	6.94381	0
23	30	2746.293	1627.302	3740.26	1104.954	-136.621	107.3451	1107.859	1107.859	1096.861	1090.553	28.64136	6.89124	0
23	31	691.1415	1861.549	3740.26	1105.187	-136.621	107.3451	1107.509	1107.509	1098.486	1093.763	54.58906	26.16664	2
23	32	3163.972	1850.7	3740.26	1105.224	-136.621	107.3451	1111.217	1111.217	1100.952	1095.389	60.03102	78.6507	0
23	33	501.6062	339.5481	3740.26	1105.55	-136.621	107.3451	1115.531	1115.531	1101.799	1096.538	19.39127	74.77974	0
23	34	153.604	124.1043	3740.26	1106.657	-136.621	107.3451	1121.33	1121.33	1097.243	1092.268	8.905044	6.458304	0
23	35	89.4463	77.98704	3740.26	1109.332	-136.621	107.3451	1126.233	1126.233	1089.058	1084.058	1.459449	1.459449	0
23	36	80.79512	63.44038	3740.26	1112.313	-23.35998	107.3451	1132.341	1132.341	1092.123	1087.123	.987138	.899469	0
23	37	75.11779	80.28741	3740.26	1115.821	-23.35998	107.3451	1135.403	1135.403	1097.759	1092.801	.1142648	.77421	0
23	38	124.3962	116.7812	3740.26	1119.252	-70.07994	107.3451	1138.06	1138.06	1097.033	1092.655	.2814225	11.57707	0
23	39	140.6831	128.7188	3740.26	1122.175	-105.1199	107.3451	1138.541	1138.541	1098.313	1093.286	.5208045	13.203	0
23	40	205.2097	61.33844	5610.39	1124.743	-105.1199	161.0176	1138.866	1138.866	1101.233	1096.526	.8308755	12.84948	0
23	41	242.2061	50.08042	7480.52	1128.644	-105.1199	214.6902	1138.807	1138.807	1103.968	1099.675	.9061103	10.02111	0
23	42	175.1616	39.49672	7480.52	1129.789	-105.1199	214.6902	1138.281	1138.281	1105.853	1100.853	.7322137	3.307381	0
23	43	143.9949	35.66489	7480.52	1126.296	-36.47998	214.6902	1130.88	1130.88	1105.901	1100.901	.896829	.896829	0
23	44	137.6501	43.22192	7480.52	1120.53	-27.35998	214.6902	1118.301	1118.301	1105.051	1100.051	.922565	.922565	0
23	45	205.9516	51.07282	7480.52	1123.506	-18.23998	214.6902	1124.171	1124.171	1104.592	1099.592	.918594	7.179063	0
23	46	203.6019	53.57911	7480.52	1125.056	-18.23998	214.6902	1126.688	1126.688	1104.224	1099.224	.850168	6.551132	0
23	47	217.0441	60.13646	7480.52	1126.207	-18.23998	214.6902	1128.294	1128.294	1104.217	1099.308	.857495	9.063503	0
23	48	266.4261	63.66178	7480.52	1127.049	-18.23998	214.6902	1132.794	1132.794	1103.29	1098.784	.763381	13.01583	0
23	49	275.6287	58.88595	7480.52	1127.467	-18.23998	214.6902	1134.012	1134.012	1103.196	1098.74	.714366	13.51686	0
23	50	249.2545	52.00303	7480.52	1127.572	-35.03998	214.6902	1132.223	1132.223	1104.55	1099.729	.649321	8.823138	0
23	51	215.7581	47.19007	7480.52	1127.014	-35.03998	214.6902	1129.125	1129.125	1103.114	1098.203	.618191	7.203956	0
23	52	181.1383	39.67146	7480.52	1124.956	-52.55998	214.6902	1123.61	1123.61	1101.854	1096.854	.584781	5.066176	0
23	53	142.746	33.51637	7480.52	1122.198	-105.1199	214.6902	1120.846	1120.846	1100.03	1095.03	.580612	1.575463	0
23	54	128.046	31.72402	7480.52	1119.476	-140.1599	214.6902	1118.563	1118.563	1098.277	1093.277	.571481	.571481	0
23	55	126.1722	31.0024	7480.52	1116.585	-140.1599	214.6902	1116.465	1116.465	1096.787	1091.787	.575056	.575056	0
23	56	121.9173	30.14159	7480.52	1111.883	-72.9599	214.6902	1111.392	1111.392	1094.476	1089.476	.575	.575	0
23	57	119.0946	28.94414	7480.52	1109.474	-72.9599	214.6902	1110.632	1110.632	1093.076	1088.076	.541934	.541934	0
23	58	112.5286	29.56985	7480.52	1107.016	-140.1599	40000	1107	1106	1091.597	1086.597	.426024	.426024	12
23	59	123.2214	31.57063	7480.52	1119.931	-105.1199	214.6902	1122.987	1122.987	1090.317	1085.317	.424066	.424066	0
23	60	128.5143	32.57562	7480.52	1126.939	-70.07994	214.6902	1128.572	1128.572	1089.32	1084.32	.403126	.403126	0
23	61	131.8341	33.12784	7480.52	1130.902	-70.07994	214.6902	1132.621	1132.621	1088.612	1083.612	.402987	.402987	0
23	62	132.8325	33.02866	7480.52	1131.649	-70.07994	214.6902	1137.563	1137.563	1087.712	1082.712	.403126	.403126	0
23	63	131.1963	32.2641	7480.52	1129.059	-70.07994	214.6902	1141.963	1141.963	1087.009	1082.009	.403764	.403764	0
23	64	127.223	31.71906	7480.52	1123.406	-36.47998	40000	1123.4	1122.4	1086.316	1081.316	.402994	.402994	20
24	1	17838.04	4366.731	7480.52	1109.9	-12.15999	40000	1111.6	1110.6	980.715	975.715	68.4	34.2	19
24	2	16621.23	4087	7480.52	1103.212	-12.15999	214.6902	1128.413	1128.413	982.7499	977.7499	68.4	34.2	0
24	3	15527.03	3786.079	7480.52	1096.722	-12.15999	214.6902	1128.002	1128.002	983.9051	978.9051	68.4	34.2	0
24	4	14126.9	3483.386	7480.52	1091.495	0	214.6902	1108.775	1108.775	988.649	983.649	68.4	34.2	0
24	5	13293.02	3273.896	7480.52	1087.046	0	40000	1085.6	1084.6	991.9764	986.9764	68.4146	34.2073	16
24	6	12718.68	3118.501	7480.52	1086.391	0	40000	1085.6	1085.6	995.8168	990.8168	68.4	34.2	16
24	7	12141.88	2993.22	7480.52	1085.829	-273.242	40000	1085.5	1084.5	1000.001	995.0013	68.51696	34.25848	16
24	8	11771.14	2898.76	7480.52	1085.709	-273.242	40000	1085.5	1084.5	1002.482	997.4815	68.4	34.2	16
24	9	11348.49	2867.968	7480.52	1085.554	-211.1998	40000	1085.4	1084.4	1005.736	1000.736	68.91478	34.45739	16
24	10	11220.27	4235.082	7480.52	1085.575	-211.1998	40000	1085.4	1084.4	1008.708	1003.708	72.31274	36.15637	16
24	11	21561.98	5995.206	7480.52	1085.894	-211.1998	214.6902	1086.651	1086.651	1011.66	1006.66	145.1773	72.58866	0
24	12	22802.44	6325.267	7480.52	1085.996	-273.242	214.6902	1088.082	1088.082	1013.603	1008.603	170.6254	85.31268	0
24	13	22160.94	6376.302	7480.52	1086.23	-273.242	214.6902	1098.536	1098.536	1015.73	1010.73	170.677	85.3385	0
24	14	24202.62	6542.9	7480.52	1086.521	-273.242	214.6902	1103.547	1103.547	1017.858	1012.858	182.4236	91.2118	0
24	15	24316.4	5956.99	7480.52	1086.766	-273.242	214.6902	1103.371	1103.371	1018.803	1013.803	186.2693	93.13464	0
24	16	20393.13	3350.103	7480.52	1086.972	-273.242	214.6902	1101.061	1101.061	1021.756	1016.758	157.0905	78.54526	0

24	17	5005.588	1423.092	7480.52	1087.321	-211.1998	214.6902	1100.486	1100.486	1030.561	1025.556	43.6366	43.6366	0
24	18	3961.197	1907.736	5610.39	1088.331	-204.9315	161.0176	1099.29	1099.29	1035.427	1030.427	50.54096	50.54096	0
24	19	754.0071	711.7098	3740.26	1088.984	-136.621	107.3451	1098.5	1098.5	1040.146	1035.146	15.16246	15.16246	1
24	20	468.5179	518.5781	3740.26	1090.509	0	107.3451	1098.412	1098.412	1044.872	1039.872	10.5169	10.5169	1
24	21	437.0368	429.6011	3740.26	1092.611	0	107.3451	1098.553	1098.553	1050.076	1045.076	9.003888	9.003888	1
24	2	362.9677	275.7823	3740.26	1095.063	0	107.3451	1098.517	1098.517	1056.968	1051.968	8.16988	8.16988	1
24	23	195.7501	247.6538	3740.26	1098.967	0	107.3451	1098.418	1098.418	1065.85	1060.85	3.07075	3.07075	1
24	24	394.8578	824.3643	3740.26	1103.371	0	107.3451	1099.225	1099.225	1074.673	1069.673	8.66966	8.66966	1
24	25	1518.282	3390.786	3740.26	1105.225	-136.621	107.3451	1106.819	1106.819	1082.96	1077.942	44.48272	55.19834	1
24	26	5384.449	8194.757	3740.26	1105.702	-136.621	107.3451	1109.635	1109.635	1084.615	1080.618	255.63	9.016064	0
24	27	10734.35	8236.12	3740.26	1105.893	-136.621	107.3451	1110.675	1110.675	1087.044	1077.082	574.5206	5.77039	0
24	28	6321.906	3543.535	3740.26	1106.006	-136.621	107.3451	1108.766	1108.766	1089.723	1076.961	333.5466	6.55195	0
24	29	1961.147	2154.924	3740.26	1106.083	-136.621	107.3451	1111.514	1111.514	1096.229	1084.925	143.8871	6.55627	0
24	30	2829.093	1810.132	3740.26	1106.086	-136.621	107.3451	1108.085	1108.085	1102.09	1094.336	60.4154	6.56122	0
24	31	917.5469	1993.565	3740.26	1106.386	-136.621	107.3451	1111.271	1111.271	1099.77	1094.5	100.1669	25.9752	2
24	32	3208.878	1814.879	3740.26	1106.562	-136.621	107.3451	1112.976	1112.976	1105.018	1100.13	99.06108	91.31214	0
24	33	556.687	315.662	3740.26	1106.929	-136.621	107.3451	1118.667	1118.667	1103.101	1098.765	30.63158	74.35506	0
24	34	230.4588	118.946	3740.26	1108.461	-136.621	107.3451	1125.337	1125.337	1101.716	1096.685	8.758194	6.839634	0
24	35	164.6735	92.25439	3740.26	1111.035	-136.621	107.3451	1131.063	1131.063	1095.778	1090.76	2.510109	1.657935	0
24	36	149.5651	92.47253	3740.26	1113.367	-23.35998	107.3451	1135.432	1135.432	1099.194	1094.148	1.232123	4.536045	0
24	37	125.6564	119.2266	3740.26	1116.296	-23.35998	107.3451	1138.188	1138.188	1098.649	1094.3	.1380997	10.07376	0
24	38	165.6136	148.2981	3740.26	1119.323	-70.07994	107.3451	1143.515	1143.515	1100.166	1093.484	.280083	13.26166	0
24	39	102.8443	148.7707	3740.26	1122.517	-136.621	107.3451	1141.758	1141.758	1101.63	1094.378	.440523	13.125	0
24	40	147.6288	67.61633	5610.39	1125.666	-204.9315	161.0176	1142.473	1142.473	1102.99	1097	.6871358	13.125	0
24	41	180.1764	54.26151	7480.52	1130.341	-273.242	214.6902	1142.927	1142.927	1103.149	1098.974	.7728975	13.25267	0
24	42	194.4629	40.29243	7480.52	1131.972	-273.242	214.6902	1137.891	1137.891	1109.637	1104.837	.6479977	5.13599	0
24	43	138.0109	34.74638	7480.52	1128.275	-70.07994	214.6902	1134.387	1134.387	1109.019	1104.019	.82611	.698847	0
24	44	134.7654	42.67851	7480.52	1122.76	-27.35998	214.6902	1121.812	1121.812	1107.145	1102.145	.848779	.848779	0
24	45	193.6538	51.31556	7480.52	1124.769	-18.23998	214.6902	1128.071	1128.071	1105.715	1100.715	.784855	7.372312	0
24	46	210.4334	51.5824	7480.52	1126.219	-18.23998	214.6902	1128.125	1128.125	1104.883	1099.929	.700081	7.583728	0
24	47	226.682	60.73108	7480.52	1127.37	-18.23998	214.6902	1128.838	1128.838	1104.978	1099.935	.617929	7.774852	0
24	48	296.3	71.8519	7480.52	1128.271	-35.03998	214.6902	1132.786	1132.786	1103.324	1098.256	.629282	14.55276	0
24	49	314.4726	72.33485	7480.52	1128.734	-35.03998	214.6902	1133.83	1133.83	1102.663	1097.669	.610761	16.43558	0
24	50	292.3255	64.25012	7480.52	1128.844	-35.03998	214.6902	1134.049	1134.049	1101.929	1097.258	.586752	16.22832	0
24	51	237.1345	52.03402	7480.52	1128.331	-35.03998	214.6902	1131.511	1131.511	1102.325	1097.517	.587123	10.48849	0
24	52	172.3627	41.29963	7480.52	1126.649	-52.55998	214.6902	1127.858	1127.858	1102.23	1097.23	.574931	5.739734	0
24	53	145.5853	34.18165	7480.52	1123.249	-105.1199	214.6902	1121.626	1121.626	1099.944	1094.944	.575	1.980488	0
24	54	129.4981	31.83055	7480.52	1119.269	-140.1599	214.6902	1117.161	1117.161	1097.861	1092.861	.575	.575	0
24	55	126.1563	31.01999	7480.52	1115.969	-140.1599	214.6902	1115.444	1115.444	1095.002	1090.002	.57522	.57522	0
24	56	120.8408	30.11139	7480.52	1111.341	-72.9599	214.6902	1109.878	1109.878	1093.816	1088.816	.567885	.567885	0
24	57	118.4759	28.96166	7480.52	1110.534	-72.9599	214.6902	1110.803	1110.803	1092.55	1087.55	.514143	.514143	0
24	58	112.9994	29.36765	7480.52	1108.013	-105.1199	40000	1108	1107	1091.475	1086.475	.403215	.403215	12
24	59	122.6289	31.36329	7480.52	1119.565	-70.07994	214.6902	1124.767	1124.767	1090.12	1085.12	.405034	.405034	0
24	60	128.5127	32.51146	7480.52	1126.447	-70.07994	214.6902	1130.48	1130.48	1089.155	1084.155	.405633	.405633	0
24	61	131.7098	33.03881	7480.52	1130.144	-70.07994	214.6902	1135.696	1135.696	1088.38	1083.38	.404376	.404376	0
24	62	132.6478	32.97854	7480.52	1130.877	-70.07994	214.6902	1139.919	1139.919	1087.557	1082.557	.405633	.405633	0
24	63	131.1812	32.34072	7480.52	1128.596	-70.07994	214.6902	1144.218	1144.218	1086.871	1081.871	.406336	.406336	0
24	64	127.6539	31.89244	7480.52	1123.506	-70.07994	40000	1123.5	1122.5	1086.262	1081.262	.409996	.409996	20
25	1	17379.42	4248.086	7480.52	1106.733	-12.15999	40000	1107.5	1106.5	980.8395	975.8395	68.4	34.2	19
25	2	16146.41	3950.065	7480.52	1100.061	-12.15999	214.6902	1126.365	1126.365	983.2477	978.2477	68.4	34.2	0
25	3	14878.38	3627.403	7480.52	1092.638	-12.15999	214.6902	1126.426	1126.426	984.5205	979.5205	68.60844	34.30422	0
25	4	13679.78	3371.594	7480.52	1087.169	0	40000	1085.6	1084.6	989.2427	984.2427	68.4	34.2	16
25	5	13139.8	3229.03	7480.52	1085.982	0	40000	1085.6	1084.6	992.5301	987.5301	68.41318	34.20659	16
25	6	12631.18	3096.639	7480.52	1085.815	0	40000	1085.6	1084.6	996.2476	991.2476	68.4	34.2	16
25	7	12117.3	2985.035	7480.52	1086.085	-211.1998	214.6902	1085.867	1085.867	1000.519	995.5189	68.50702	34.25351	0
25	8	11759.26	2881.147	7480.52	1086.035	-211.1998	214.6902	1087.333	1087.333	1003.015	998.0146	68.4	34.2	0
25	9	11314.21	2774.223	7480.52	1086.004	-273.242	214.6902	1087.293	1087.293	1006.526	1001.526	68.50986	34.25493	0
25	10	10862.87	3960.481	7480.52	1086.074	-211.1998	214.6902	1088.365	1088.365	1009.639	1004.639	68.67006	34.33503	0
25	11	20727.71	5095.898	7480.52	1086.244	-211.1998	214.6902	1088.606	1088.606	1013.081	1008.081	136.9222	68.4611	0
25	12	19870.69	4915.579	7480.52	1086.366	-273.242	214.6902	1095.277	1095.277	1015.783	1010.783	136.2954	68.14768	0

25	13	19491.04	5214.588	7480.52	1086.591	-273.242	214.6902	1102.992	1102.992	1017.816	1012.816	135.2187	67.60936	0
2	14	20887.64	5586.853	7480.52	1086.84	-273.242	214.6902	1104.574	1104.574	1018.726	1013.726	157.989	78.99452	0
25	15	20517.5	5220.39	7480.52	1087.07	-273.242	214.6902	1102.396	1102.396	1019.215	1014.215	158.147	79.0735	0
25	16	16870.34	2999.575	7480.52	1087.305	-273.242	214.6902	1101.661	1101.661	1023.298	1018.298	145.6914	72.84572	0
2	17	3904.19	1148.704	7480.52	1087.776	-211.1998	214.6902	1105.523	1105.523	1033.337	1028.337	37.68942	37.68942	0
1	8	3121.178	1487.069	5610.39	1089.025	-204.9315	161.0176	1102.676	1102.676	1038.776	1033.776	41.31652	41.31652	0
25	19	623.3336	510.8152	3740.26	1089.845	-136.621	107.3451	1101.864	1101.864	1043.973	1038.973	12.13476	12.13476	1
25	20	343.5605	386.9767	3740.26	1091.75	0	107.3451	1099.826	1099.826	1049.253	1044.253	6.906472	6.906472	1
2	21	400.9213	370.4034	3740.26	1094.328	0	107.3451	1101.328	1101.328	1055.122	1050.122	8.807536	4.403768	1
25	22	363.5668	282.9355	3740.26	1097.035	0	107.3451	1100.481	1100.481	1061.867	1056.867	7.759144	3.879572	1
25	23	237.0724	342.9541	3740.26	1100.776	0	107.3451	1100.343	1100.343	1069.754	1064.754	5.64819	2.824096	1
2	24	428.3638	1088.775	3740.26	1104.219	0	107.3451	1101.662	1101.662	1078.339	1073.339	13.2435	13.2435	1
2	25	1520.114	3511.945	3740.26	1105.604	-136.621	107.3451	1107.675	1107.675	1087.155	1082.168	70.12076	77.11986	1
25	26	4038.845	7924.038	3740.26	1105.996	-136.621	107.3451	1110.544	1110.544	1090.927	1084.8	343.6922	12.95325	0
2	27	7589.099	8820.132	3740.26	1106.175	-136.621	107.3451	1115.025	1115.025	1092.306	1080.945	752.7256	6.91086	0
2	28	5523.256	4739.519	3740.26	1106.352	-136.621	107.3451	1119.007	1119.007	1091.874	1077.862	481.2206	6.5625	0
25	29	2046.15	2635.317	3740.26	1106.612	-136.621	107.3451	1116.92	1116.92	1096.689	1083.586	227.7306	6.5625	0
25	30	2938.987	1936.508	3740.26	1106.953	-136.621	107.3451	1111.686	1111.686	1103.471	1094.504	98.10774	6.5625	2
2	31	981.6354	2132.86	3740.26	1107.39	-136.621	107.3451	1114.487	1114.487	1102.337	1096.496	156.7992	25.86544	0
25	32	3308.9	1950.686	3740.26	1107.751	-136.621	107.3451	1114.794	1114.794	1107.517	1102.604	153.229	136.9739	0
25	33	763.7878	471.4838	3740.26	1108.263	-136.621	107.3451	1120.926	1120.926	1103.612	1099.461	43.02816	90.54402	0
2	34	538.7733	276.1863	3740.26	1109.848	-136.621	107.3451	1127.712	1127.712	1102.325	1097.724	17.79869	29.25742	0
2	35	373.2638	221.9842	3740.26	1111.69	-136.621	107.3451	1134.909	1134.909	1099.073	1094.625	4.923753	27.6577	0
25	36	325.9319	182.749	3740.26	1113.415	-23.35998	107.3451	1138.375	1138.375	1101.169	1095.792	.3483651	28.98589	0
25	37	183.7269	172.0434	3740.26	1115.686	-23.35998	107.3451	1140.703	1140.703	1102.569	1094.822	.2060055	13.40572	0
2	38	212.3148	120.1598	3740.26	1118.284	-70.07994	107.3451	1144.138	1144.138	1104.775	1094.486	.2917942	13.125	0
25	39	52.1174	52.49281	3740.26	1121.729	-136.621	107.3451	1144.041	1144.041	1104.87	1095.702	.1	.1	0
25	40	79.61198	26.63738	5610.39	1126.603	-204.9315	161.0176	1145.592	1145.592	1104.206	1098.456	.1	.1	0
2	41	108.2621	39.39832	7480.52	1132.372	-273.242	214.6902	1145.83	1145.83	1104.932	1100.238	.1	.1	0
2	42	193.4518	42.82602	7480.52	1133.756	-273.242	214.6902	1140.55	1140.55	1112.75	1108.537	.5460683	9.559725	0
1	43	133.6068	33.44771	7480.52	1130.141	-70.07994	214.6902	1137.151	1137.151	1111.745	1106.745	.730455	.424801	0
2	44	131.6289	39.42631	7480.52	1124.284	-27.35998	214.6902	1122.171	1122.171	1108.333	1103.333	.732991	.72531	0
2	45	179.7919	49.70625	7480.52	1126.076	-18.23998	214.6902	1129.019	1129.019	1105.638	1100.638	.616217	5.631596	0
25	46	216.0406	57.69644	7480.52	1127.328	-18.23998	214.6902	1129.484	1129.484	1104.238	1099.506	.561922	9.354377	0
25	47	255.6976	70.01441	7480.52	1128.421	-18.23998	214.6902	1130.338	1130.338	1103.294	1098.489	.504951	12.58596	0
2	48	319.454	80.84126	7480.52	1129.322	-35.03998	214.6902	1132.756	1132.756	1103.332	1097.503	.529773	15.98258	0
25	49	332.4249	79.36467	7480.52	1129.812	-35.03998	214.6902	1134.416	1134.416	1102.854	1097.029	.550416	17.5	0
25	50	297.0435	68.11488	7480.52	1129.949	-35.03998	214.6902	1134.478	1134.478	1101.756	1096.92	.56941	17.59607	0
2	51	242.8881	50.34029	7480.52	1129.611	-35.03998	214.6902	1134.811	1134.811	1101.81	1097.094	.575638	11.82342	0
2	52	170.9158	38.18739	7480.52	1128.428	-52.55998	214.6902	1134.781	1134.781	1102.061	1097.061	.574924	2.972372	0
25	53	147.4441	34.5892	7480.52	1125.92	-105.1199	214.6902	1126.12	1126.12	1099.576	1094.576	.575	1.706985	0
2	54	132.0602	32.08303	7480.52	1121.236	-140.1599	214.6902	1119.886	1119.886	1097.324	1092.324	.575	.575	0
2	55	127.6368	30.72927	7480.52	1115.439	-140.1599	214.6902	1112.276	1112.276	1094.997	1089.997	.574654	.574654	0
25	56	119.5043	29.71777	7480.52	1111.804	-72.9599	214.6902	1109.976	1109.976	1093.591	1088.591	.516677	.516677	0
25	57	117.1323	28.90717	7480.52	1111.394	-54.71994	214.6902	1111.143	1111.143	1092.426	1087.426	.463692	.463692	0
2	58	114.041	29.53944	7480.52	1109.011	-70.07994	40000	1109	1108	1091.29	1086.29	.406416	.406416	12
25	59	123.0227	31.42213	7480.52	1119.632	-70.07994	214.6902	1125.8	1125.8	1089.948	1084.948	.408357	.408357	0
25	60	128.5943	32.54417	7480.52	1126.153	-70.07994	214.6902	1132.133	1132.133	1088.973	1083.973	.409016	.409016	0
2	61	131.6394	33.05059	7480.52	1129.583	-70.07994	214.6902	1138.116	1138.116	1088.192	1083.192	.410027	.410027	0
2	62	132.4993	32.97872	7480.52	1130.326	-70.07994	214.6902	1142.69	1142.69	1087.368	1082.368	.409016	.409016	0
25	63	131.0843	32.36804	7480.52	1128.279	-70.07994	214.6902	1146.777	1146.777	1086.821	1081.821	.409435	.409435	0
2	64	127.4355	31.93449	7480.52	1123.605	-70.07994	40000	1123.6	1122.6	1086.048	1081.048	.41001	.41001	20
2	1	17093.06	4133.371	7480.52	1103.348	0	40000	1105	1104	980.894	975.894	68.4141	34.20705	19
26	2	15974.46	3806.132	7480.52	1096.878	0	214.6902	1119.602	1119.602	983.6634	978.6634	68.57918	34.28959	0
26	3	14531.84	3512.137	7480.52	1087.737	0	40000	1085.6	1084.6	985.1224	980.1224	68.8654	34.4327	16
	4	13983.15	3333.302	7480.52	1086.13	-160.1998	40000	1085.6	1084.6	989.8233	984.8233	68.4	34.2	16
26	5	13115.72	3213.716	7480.52	1085.804	-160.1998	40000	1085.6	1084.6	992.9983	987.9983	68.42996	34.21498	16
26	6	13052.43	3090.479	7480.52	1085.808	-160.1998	40000	1085.6	1084.6	996.5162	991.5162	68.4	34.2	16
2	7	46683.69	2984.104	7480.52	1086.408	-160.1998	214.6902	1089.064	1089.064	1000.955	995.9545	68.52638	34.26319	0
2	8	12093.88	2887.221	7480.52	1086.338	-160.1998	214.6902	1090.634	1090.634	1003.288	998.2878	68.4	34.2	0

26	9	11335	2770.047	7480.52	1086.407	-160.1998	214.6902	1091.553	1091.553	1006.853	1001.853	68.71576	34.35788	0
26	10	11050.98	3937.163	7480.52	1086.526	-160.1998	214.6902	1093.891	1093.891	1010.418	1005.418	68.45928	34.22964	0
26	11	15537.94	5053.7	7480.52	1086.599	-160.1998	214.6902	1095.731	1095.731	1013.941	1008.941	137.1142	68.55712	0
26	12	14909.44	4924.854	7480.52	1086.752	-160.1998	214.6902	1102.785	1102.785	1017.955	1012.955	138.099	69.0495	0
26	13	14933.5	4880.082	7480.52	1086.976	-160.1998	214.6902	1105.61	1105.61	1019.812	1014.812	140.5129	70.25644	0
2	4	14705.51	4764.433	7480.52	1087.197	-240.2998	214.6902	1106.722	1106.722	1020.375	1015.375	139.4423	69.72114	0
26	15	13999.33	4126.572	7480.52	1087.419	-237.5998	214.6902	1105.393	1105.393	1021.534	1016.534	136.3717	68.18584	0
26	16	10538.28	2194.058	7480.52	1087.679	-178.1998	214.6902	1106.881	1106.881	1026.677	1021.677	112.0229	56.01146	0
26	17	2429.426	867.7365	7480.52	1088.299	-118.7999	214.6902	1103.669	1103.669	1036.99	1031.99	28.28076	28.28076	0
26	18	2097.34	1217.05	5610.39	1089.91	-118.7999	161.0176	1100.68	1100.68	1042.741	1037.741	34.59908	34.59908	0
26	19	591.3322	456.0789	3740.26	1091.06	-118.7999	107.3451	1102.411	1102.411	1048.615	1043.615	11.65948	11.65948	1
26	20	354.8196	357.5051	3740.26	1093.37	0	107.3451	1103.207	1103.207	1054.635	1049.635	6.415412	6.415412	0
26	21	441.3073	394.0847	3740.26	1096.189	0	107.3451	1104.717	1104.717	1060.808	1055.808	9.332228	4.666114	0
26	22	499.8923	317.7036	3740.26	1098.853	0	107.3451	1106.132	1106.132	1067.564	1062.564	10.39	5.195	0
26	23	275.8842	322.4821	3740.26	1101.956	0	107.3451	1105.971	1105.971	1074.247	1069.247	6.55302	3.27651	0
26	24	407.6345	859.7021	3740.26	1104.885	0	107.3451	1107.142	1107.142	1081.92	1076.92	12.79095	12.79095	0
26	25	1161.842	2047.013	3740.26	1105.992	-118.7999	107.3451	1110.185	1110.185	1090.089	1085.197	58.3659	69.8286	0
26	26	2498.884	3703.905	3740.26	1106.364	-118.7999	107.3451	1116.027	1116.027	1092.584	1085.179	193.4887	9.09932	0
26	27	3875.92	4292.223	3740.26	1106.549	-118.7999	107.3451	1121.817	1121.817	1096.271	1082.832	438.2058	6.5625	0
26	28	3205.231	2829.887	3740.26	1106.791	-118.7999	107.3451	1123.566	1123.566	1097.986	1081.026	432.3232	6.5625	0
26	29	1445.463	2349.82	3740.26	1107.233	-118.7999	107.3451	1121.075	1121.075	1101.148	1084.244	255.1764	6.5625	0
26	30	3045.633	1984.115	3740.26	1107.765	-118.7999	107.3451	1111.99	1111.99	1103.964	1092.136	120.5842	6.5625	0
26	31	867.688	2157.676	3740.26	1108.296	-118.7999	107.3451	1111.884	1111.884	1104.42	1098.262	198.3606	25.78286	0
26	32	3459.734	2122.002	3740.26	1108.801	-136.621	107.3451	1113.766	1113.766	1105.7	1101.834	142.6534	87.45528	0
26	33	1095.21	831.0774	3740.26	1109.393	-136.621	107.3451	1118.586	1118.586	1104.158	1098.896	60.00846	102.5266	0
26	34	813.7485	635.8508	3740.26	1110.634	-136.621	107.3451	1128.247	1128.247	1101.169	1095.667	26.31302	83.8485	0
26	35	571.8362	477.2114	3740.26	1111.956	-136.621	107.3451	1140.142	1140.142	1102.005	1094.834	8.833839	52.30437	0
26	36	599.205	326.9098	3740.26	1113.272	-13.13999	107.3451	1142.654	1142.654	1105.023	1095.126	.3622206	39.39288	0
26	37	279.5435	223.9983	3740.26	1114.978	-13.13999	107.3451	1143.474	1143.474	1107.785	1095.575	.259158	13.125	0
26	38	287.4861	144.2724	3740.26	1117.303	-39.41997	107.3451	1146.183	1146.183	1109.701	1095.638	.309114	13.125	0
2	39	52.14754	52.69926	3740.26	1120.602	-136.621	107.3451	1147.338	1147.338	1107.191	1097.08	.1	.1	0
2	40	79.91434	26.96546	5610.39	1127.056	-204.9315	161.0176	1148.365	1148.365	1106.13	1101.433	.1	.1	0
26	41	109.1275	36.03013	7480.52	1134.149	-273.242	214.6902	1145.839	1145.839	1111.61	1107.154	.1	.1	0
26	42	156.1826	38.93862	7480.52	1135.222	-273.242	214.6902	1143.005	1143.005	1117.471	1113.263	.442767	6.768082	0
26	43	130.6389	32.86123	7480.52	1131.852	-70.07994	214.6902	1137.459	1137.459	1112.571	1107.571	.608532	.50301	0
26	44	146.3606	38.42891	7480.52	1127.06	-52.55998	214.6902	1125.907	1125.907	1107.755	1102.755	.587083	.579653	0
26	45	160.1872	49.25189	7480.52	1127.429	-18.23998	214.6902	1129.368	1129.368	1105.705	1100.705	.552251	5.191962	0
26	46	202.8668	60.23813	7480.52	1128.319	-18.23998	214.6902	1129.699	1129.699	1103.297	1098.839	.440487	10.61537	0
26	47	247.0251	73.77351	7480.52	1129.28	-18.23998	214.6902	1130.859	1130.859	1101.329	1097.184	.399157	17.24559	0
26	48	305.9576	82.12848	7480.52	1130.26	-35.03998	214.6902	1132.746	1132.746	1102.764	1097.047	.466	17.5	0
26	49	318.0943	78.00244	7480.52	1130.811	-35.03998	214.6902	1134.87	1134.87	1102.878	1097.061	.511421	17.5	0
26	50	282.3101	66.86803	7480.52	1131.03	-35.03998	214.6902	1138.309	1138.309	1101.548	1097.036	.562908	17.67801	0
26	51	242.8556	53.11067	7480.52	1130.866	-35.03998	214.6902	1137.886	1137.886	1101.682	1097.128	.572965	12.036	0
26	52	186.4195	41.40258	7480.52	1130.128	-52.55998	214.6902	1138.614	1138.614	1102.224	1097.224	.575	5.049415	0
26	53	150.8206	35.28688	7480.52	1128.294	-105.1199	214.6902	1130.206	1130.206	1099.646	1094.646	.572033	1.767282	0
26	54	132.5584	32.84123	7480.52	1124.482	-140.1599	214.6902	1124.41	1124.41	1097.474	1092.474	.556991	.556991	0
26	55	125.9879	31.05602	7480.52	1118.554	-140.1599	214.6902	1117.352	1117.352	1094.999	1089.999	.574943	.574943	0
26	56	119.5357	29.44139	7480.52	1114.111	-105.1199	214.6902	1112.685	1112.685	1093.792	1088.792	.452635	.452635	0
26	57	117.1108	28.88616	7480.52	1112.742	-70.07994	214.6902	1112.274	1112.274	1092.533	1087.533	.415598	.415598	0
26	58	115.9535	29.72649	7480.52	1110.019	-70.07994	40000	1110	1109	1091.111	1086.111	.410013	.410013	12
26	59	123.5142	31.48213	7480.52	1120.015	-70.07994	214.6902	1125.774	1125.774	1089.903	1084.903	.40985	.40985	0
26	60	128.6084	32.51426	7480.52	1126.042	-70.07994	214.6902	1132.636	1132.636	1088.865	1083.865	.410121	.410121	0
26	61	131.4696	32.98407	7480.52	1129.15	-36.47998	214.6902	1140.369	1140.369	1088.011	1083.011	.410009	.410009	0
26	62	132.1595	32.91718	7480.52	1129.941	-70.07994	214.6902	1144.542	1144.542	1087.463	1082.463	.410121	.410121	0
26	63	130.782	32.26192	7480.52	1128.068	-70.07994	214.6902	1148.67	1148.67	1087.156	1082.156	.410121	.410121	0
2	64	127.2338	31.78328	7480.52	1123.606	-70.07994	40000	1123.6	1122.6	1087.56	1082.56	.410003	.410003	20
2	1	17948.26	4133.51	7480.52	1099.13	0	40000	1099.3	1098.3	981.0725	976.0725	70.4701	35.23505	19
27	2	16875.77	3820.444	7480.52	1094.164	0	214.6902	1109.059	1109.059	984.0547	979.0547	70.9438	35.4719	0
27	3	15551.06	3616.611	7480.52	1086.598	0	40000	1085.6	1084.6	985.811	980.811	70.1202	35.0601	16
27	4	15083.53	3441.416	7480.52	1086.289	-118.7999	214.6902	1091.688	1091.688	990.3234	985.3234	72.84018	36.42009	0

27	5	14245.51	3328.323	7480.52	1086.153	-118.7999	214.6902	1085.532	1085.532	993.2267	988.2267	68.53628	34.26814	0	
2	6	14129.05	11843.55	7480.52	1086.286	-118.7999	214.6902	1089.373	1089.373	996.8493	991.8493	73.07748	36.53874	0	
2	7	88073.88	11710.29	7480.52	1086.533	-160.1998	214.6902	1093.443	1093.443	.073	995.273	68.94596	34.47298	0	
27	8	13078.71	2970	7480.52	1086.587	-160.1998	214.6902	1094.678	1094.678	1003.524	998.5244	72.27552	36.13776	0	
2	9	12227.39	2826.449	7480.52	1086.782	-160.1998	214.6902	1098.586	1098.586	1007.712	1002.712	69.10386	34.55193	0	
2	10	11970.97	2710.067	7480.52	1086.96	-160.1998	214.6902	1100.195	1100.195	1011.272	1006.272	71.72786	35.86393	0	
2	11	11376.58	2558.145	7480.52	1087.033	-160.1998	214.6902	1104.714	1104.714	1015.093	1010.093	69.44848	34.72424	0	
27	12	11282.88	2535.882	7480.52	1087.233	-160.1998	214.6902	1107.144	1107.144	1019.456	1014.456	71.13064	35.56532	0	
2	13	11319.37	2529.671	7480.52	1087.47	-240.2998	214.6902	1108.47	1108.47	1021.291	1016.291	73.95812	36.97906	0	
2	14	10933.02	2411.779	7480.52	1087.688	-237.5998	214.6902	1109.921	1109.921	1022.73	1017.73	73.72388	36.86194	0	
27	15	9909.182	2007.833	7480.52	1087.912	-237.5998	214.6902	1109.933	1109.933	1025.165	1020.165	70.60884	35.30442	0	
2	16	7299.324	1047.87	7480.52	1088.233	-178.1998	214.6902	1111.692	1111.692	1031.087	1026.087	56.26126	28.13063	0	
2	17	1769.609	438.7335	7480.52	1089.077	-118.7999	214.6902	1106.818	1106.818	1041.386	1036.386	14.49526	14.49526	0	
27	18	1618.486	772.5093	5610.39	1091.167	-118.7999	161.0176	1103.489	1103.489	1047.407	1042.407	18.78153	18.78153	0	
27	19	689.8887	490.0729	3740.26	1092.729	-118.7999	107.3451	1104.658	1104.658	1053.754	1048.754	12.5356	12.5356	0	
2	20	479.054	438.6218	3740.26	1095.067	0	107.3451	1106.373	1106.373	1060.325	1055.325	8.762016	8.762016	0	
2	21	462.0563	547.1149	3740.26	1097.785	0	107.3451	1108.366	1108.366	1066.961	1061.961	13.37192	6.685962	0	
27	22	542.248	458.0728	3740.26	1100.305	0	107.3451	1108.731	1108.731	1073.487	1068.487	19.18677	9.593386	0	
2	23	568.5479	361.0366	3740.26	1103.121	0	107.3451	1114.362	1114.362	1079.01	1074.01	9.959284	4.979642	0	
2	24	1031.886	709.7744	3740.26	1105.575	0	107.3451	1111.672	1111.672	1085.138	1080.138	14.38964	14.38964	0	
27	25	2093.688	1613.713	3740.26	1106.57	-136.621	107.3451	1110.165	1110.165	1091.062	1086.305	47.35438	47.49808	0	
2	26	3939.382	2670.899	3740.26	1106.951	-136.621	107.3451	1114.822	1114.822	1093.004	1084.667	149.641	10.5003	0	
2	27	4799.354	2788.929	3740.26	1107.169	-118.7999	107.3451	1122.948	1122.948	1098.295	1083.47	332.4112	8.75	0	
27	28	3267.55	1820.808	3740.26	1107.453	-118.7999	107.3451	1124.192	1124.192	1102.184	1082.577	426.0478	8.75	0	
27	29	1665.112	2141.275	3740.26	1108.046	-118.7999	107.3451	1121.05	1121.05	1105.226	1084	339.4942	8.75	0	
2	30	3478.055	1929.206	3740.26	1108.579	-118.7999	107.3451	1115.829	1115.829	1105.653	1089.412	179.6098	8.75	0	
2	31	693.199	2169.747	3740.26	1109.161	-136.621	107.3451	1114.558	1114.558	1107.925	1095.949	239.087	35	0	
27	32	3784.978	2432.942	7480.52	1109.723	-136.621	107.3451	1114.053	1114.053	1109.979	1099.848	206.0738	105	0	
2	33	1558.039	1077.881	3740.26	1110.267	-136.621	107.3451	1116.384	1116.384	1106.285	1097.363	80.19552	103.0561	0	
2	34	1325.992	749.7339	3740.26	1111.227	-136.621	107.3451	1119.573	1119.573	1102.693	1095.534	40.08326	66.60072	0	
2	35	745.1909	693.8297	3740.26	1112.266	-136.621	107.3451	1126.413	1126.413	1104.154	1094.768	13.61412	50.27004	0	
2	36	818.8289	551.8387	3740.26	1113.292	-13.13999	107.3451	1137.638	1137.638	1108.057	1094.678	.8133271	52.51839	0	
2	37	346.1403	343.0314	3740.26	1114.603	-13.13999	107.3451	1143.73	1143.73	1112.189	1095.217	.454755	17.5	0	
27	38	323.0557	195.3613	3740.26	1116.602	-39.41997	107.3451	1147.827	1147.827	1112.795	1096.398	.5194	17.5	0	
27	39	52.20529	52.72451	3740.26	1119.473	-136.621	107.3451	1149.077	1149.077	1107.965	1098.29	.1	.1	0	
2	40	79.60768	26.95453	5610.39	1126.808	-204.9315	161.0176	1149.835	1149.835	1106.823	1101.923	.1	.1	0	
2	41	107.9082	30.29739	7480.52	1134.81	-273.242	214.6902	1147.903	1147.903	1110.844	1105.882	.1	.1	0	
27	42	128.8814	32.76675	7480.52	1136.375	-273.242	214.6902	1143.535	1143.535	1116.151	1111.207	.454761	.953726	0	
2	43	125.4211	36.38864	7480.52	1133.267	-70.07994	214.6902	1140.727	1140.727	1110.858	1105.858	.466136	.466136	0	
2	44	144.6006	38.20804	7480.52	1129.717	-52.55998	214.6902	1137.993	1137.993	1106.954	1101.954	.418622	4.162126	0	
27	45	137.6375	41.51161	7480.52	1128.647	-18.23998	214.6902	1128.908	1128.908	1105.11	1100.11	.295649	2.860019	0	
27	46	168.6237	52.23486	7480.52	1129.214	-35.03998	214.6902	1129.192	1129.192	1103.358	1098.83	.324377	7.911222	0	
2	47	194.6965	64.47218	7480.52	1130.036	-35.03998	214.6902	1129.927	1129.927	1101.938	1097.854	.321036	13.61533	0	
2	48	266.5735	73.88451	7480.52	1131.212	-35.03998	214.6902	1132.894	1132.894	1102.503	1097.375	.407725	15.94322	0	
27	49	287.2563	72.09868	7480.52	1131.833	-35.03998	214.6902	1135.968	1135.968	1102.106	1097.056	.473155	17.5	0	
2	50	264.9095	64.4234	7480.52	1132.143	-35.03998	214.6902	1139.829	1139.829	1100.998	1097.044	.551962	17.5	0	
2	51	239.3008	54.2081	7480.52	1132.092	-35.03998	214.6902	1140.798	1140.798	1101.448	1097.148	.569931	12.61717	0	
27	52	191.4416	42.90746	7480.52	1131.601	-52.55998	214.6902	1138.273	1138.273	1102.45	1097.45	.574913	5.736815	0	
2	53	149.2886	35.55788	7480.52	1130.306	-105.1199	214.6902	1133.189	1133.189	1100.048	1095.048	.534081	2.159988	0	
2	54	130.1635	31.79534	7480.52	1127.228	-140.1599	214.6902	1128.679	1128.679	1098.028	1093.028	.496356	.496356	0	
27	55	123.6232	30.32487	7480.52	1122.197	-105.1199	214.6902	1127.687	1127.687	1096.163	1091.163	.410079	.410079	0	
27	56	120.9133	29.72023	7480.52	1117.283	-70.07994	214.6902	1116.604	1116.604	1094.262	1089.262	.424116	.424116	0	
2	57	118.5632	29.3799	7480.52	1114.678	-70.07994	214.6902	1114.003	1114.003	1092.831	1087.831	.41	.41	0	
2	58	117.5827	30.14043	7480.52	1113.599	-70.07994	40000	1113.6	1112.6	1091.541	1086.541	.410013	.410013	12	
27	59	123.9673	31.54854	7480.52	1120.7	-70.07994	214.6902	1125.309	1125.309	1089.963	1084.963	.41	.41	0	
2	60	128.5847	32.50526	7480.52	1126.074	-70.07994	214.6902	1132.365	1132.365	1088.948	1083.948	.41	.41	0	
2	61	131.2305	32.9232	7480.52	1129.011	-70.07994	214.6902	1139.307	1139.307	1087.863	1082.863	.41	.41	0	
27	62	131.8391	32.81819	7480.52	1129.688	-70.07994	214.6902	1145.308	1145.308	1087.995	1082.995	.41	.41	0	
2	63	130.5891	32.24202	7480.52	1127.948	-70.07994	214.6902	1149.877	1149.877	1087.786	1082.786	.41	.41	0	
2	64	127.4802	31.83364	7480.52	1123.805	-70.07994	40000	1123.8	1122.8	1087.464	1082.464	.41	.41	20	

28	1	19712.21	4572.498	7480.52	1095.88	0	40000	1096.2	1095.2	981.1177	976.1177	80.19426	40.09713	19	
28	2	18561.89	4286.264	7480.52	1092.091	0	214.6902	1101.376	1101.376	984.3173	979.3173	80.13482	40.06741	0	
28	3	17519.19	4042.036	7480.52	1086.312	0	40000	1085.6	1084.6	986.0025	981.0025	80.32138	40.16069	16	
28	4	16437.68	3890.845	7480.52	1086.387	-118.7999	214.6902	1088.892	1088.892	990.7892	985.7892	80.1089	40.05445	0	
28	5	16310.99	3765.317	7480.52	1086.41	-118.7999	214.6902	1087.664	1087.664	994.0014	989.0014	80.61816	40.30908	0	
28	6	15354.38	13707.18	7480.52	1086.544	-118.7999	214.6902	1091.913	1091.913	997.2246	992.2246	80.10354	40.05177	0	
28	7	55401.31	13577.86	7480.52	1086.624	-160.1998	214.6902	1095.992	1095.992	.032	995.2316	80.50614	40.25307	0	
28	8	14337.69	3356.525	7480.52	1086.807	-160.1998	214.6902	1097.899	1097.899	1003.99	998.9904	80.12844	40.06422	0	
28	9	13934.49	3223.143	7480.52	1087.124	-160.1998	214.6902	1100.556	1100.556	1008.53	1003.53	80.52866	40.26433	0	
28	10	13301.58	3126.821	7480.52	1087.372	-160.1998	214.6902	1104.274	1104.274	1012.283	1007.283	81.2107	40.60535	0	
28	11	13227	3106.72	7480.52	1087.584	-160.1998	214.6902	1108.624	1108.624	1016.361	1011.361	83.33206	41.66603	0	
28	12	13416.05	3114.682	7480.52	1087.846	-240.2998	214.6902	1109.238	1109.238	1020.263	1015.263	88.73682	44.36841	0	
28	13	13553.52	3033.427	7480.52	1088.106	-273.242	214.6902	1110.177	1110.177	1022.733	1017.733	90.9638	45.4819	0	
28	14	12778.51	2798.771	7480.52	1088.329	-237.5998	214.6902	1109.858	1109.858	1024.97	1019.97	89.47828	44.73914	0	
28	15	11084.78	2294.293	7480.52	1088.574	-273.242	214.6902	1110.641	1110.641	1028.567	1023.567	83.73656	41.86828	0	
28	16	7883.352	1219.364	7480.52	1088.976	-178.1998	214.6902	1111.754	1111.754	1035.456	1030.456	69.13324	34.56662	0	
28	17	2006.368	543.1638	7480.52	1090.058	-118.7999	214.6902	1108.411	1108.411	1045.397	1040.397	18.74468	18.74468	0	
28	18	1929.003	996.3699	5610.39	1092.544	-118.7999	161.0176	1105.108	1105.108	1051.755	1046.755	25.4342	25.4342	0	
28	19	851.5173	678.8698	3740.26	1094.074	-118.7999	107.3451	1105.853	1105.853	1058.248	1053.248	18.32793	18.32793	0	
28	20	637.8108	502.4884	3740.26	1096.227	0	107.3451	1109.184	1109.184	1065.382	1060.382	14.6958	14.6958	0	
28	21	550.671	457.1894	3740.26	1098.909	0	107.3451	1114.648	1114.648	1072.792	1067.792	12.61291	12.61291	0	
28	22	563.0796	652.7231	3740.26	1101.807	0	107.3451	1115.982	1115.982	1078.674	1073.674	15.40627	15.40627	0	
28	23	881.8433	1239.398	3740.26	1104.4	0	107.3451	1117.228	1117.228	1083.078	1078.078	29.68972	29.68972	0	
28	24	1631.631	2415.8	3740.26	1106.024	0	107.3451	1112.443	1112.443	1087.743	1082.743	68.95054	68.95054	0	
28	25	2908.586	4419.356	3740.26	1106.872	-204.9315	107.3451	1113.49	1113.49	1089.412	1084.656	165.1761	52.55786	0	
28	26	4737.304	6067.837	3740.26	1107.302	-118.7999	107.3451	1120.621	1120.621	1093.667	1084.401	388.0412	35	0	
28	27	5231.078	5277.975	3740.26	1107.607	-118.7999	107.3451	1123.871	1123.871	1099.491	1084.587	728.941	35	0	
28	28	3137.416	3111.854	3740.26	1107.981	-118.7999	107.3451	1120.342	1120.342	1104.656	1085.376	1013.21	35	0	
28	29	1693.137	3001.891	3740.26	1108.653	-118.7999	107.3451	1114.179	1114.179	1107.269	1085.954	982.7952	35	0	
28	30	3578.097	2242.048	3740.26	1109.266	-118.7999	107.3451	1118.838	1118.838	1107.786	1088.722	521.6968	35	0	
28	31	684.0648	2308.43	3740.26	1109.922	-136.621	107.3451	1121.241	1121.241	1109.532	1095.375	208.8854	35	0	
28	32	4191.985	2910.074	3740.26	1110.506	-136.621	107.3451	1119.27	1119.27	1109.855	1097.274	241.5904	105	0	
28	33	1949.422	1806.15	3740.26	1110.983	-136.621	107.3451	1121.656	1121.656	1107.512	1094.424	103.3726	108.5566	0	
28	34	1980.771	1321.449	3740.26	1111.683	-136.621	107.3451	1123.598	1123.598	1104.706	1093.269	68.68794	109.8253	0	
28	35	968.9087	870.19	3740.26	1112.413	-136.621	107.3451	1130.254	1130.254	1106.36	1093.286	20.30997	52.55097	0	
28	36	932.4441	613.1305	3740.26	1113.279	-13.13999	107.3451	1142.454	1142.454	1109.311	1093.602	1.942338	52.5	0	
28	37	345.0093	326.1646	3740.26	1114.375	-.00001	107.3451	1149.35	1149.35	1110.989	1094.233	.699163	17.5	0	
28	38	296.4025	179.8996	3740.26	1116.246	-.00001	107.3451	1150.163	1150.163	1109.777	1095.25	.606887	17.5	0	
28	39	52.22645	52.55256	3740.26	1119.072	-.00001	107.3451	1150.428	1150.428	1106.838	1099.511	.1	.1	0	
28	40	78.94357	26.55842	5610.39	1126.136	-.000015	161.0176	1150.059	1150.059	1103.542	1098.542	.1	.1	0	
28	41	105.8982	28.90001	7480.52	1134.507	-273.242	214.6902	1146.204	1146.204	1100.737	1095.737	.1	.1	0	
28	42	120.6391	30.80886	7480.52	1136.813	-.00002	214.6902	1143.016	1143.016	1108.053	1103.053	.331135	.331135	0	
28	43	119.0121	31.11679	7480.52	1134.399	-.00002	214.6902	1139.645	1139.645	1107.72	1102.72	.317119	.317119	0	
28	44	120.6907	32.35151	7480.52	1131.433	-52.55998	214.6902	1132.646	1132.646	1105.593	1100.593	.24117	1.338851	0	
28	45	127.9344	35.05369	7480.52	1129.464	-35.03998	214.6902	1128.86	1128.86	1103.925	1098.925	.21426	2.061827	5	
28	46	138.0608	38.59518	7480.52	1129.997	-35.03998	214.6902	1129.288	1129.288	1103.432	1098.587	.230818	3.720194	0	
28	47	152.6123	50.84532	7480.52	1130.764	-35.03998	214.6902	1129.714	1129.714	1103.646	1098.823	.255399	4.777594	0	
28	48	228.4446	64.57298	7480.52	1132.283	-35.03998	214.6902	1134.902	1134.902	1101.774	1097.406	.354452	14.32882	0	
28	49	254.7079	65.9428	7480.52	1132.923	-35.03998	214.6902	1138.817	1138.817	1101.139	1097.039	.436856	17.40588	0	
28	50	260.2978	61.62919	7480.52	1133.292	-35.03998	214.6902	1145.519	1145.519	1100.426	1096.93	.541626	17.5	0	
28	51	233.3533	53.47749	7480.52	1133.287	-35.03998	214.6902	1144.226	1144.226	1101.178	1097.019	.549566	12.10765	0	
28	52	165.4174	42.27507	7480.52	1132.912	-52.55998	214.6902	1141.985	1141.985	1102.179	1097.179	.574491	5.733593	0	
28	53	143.5018	34.30515	7480.52	1131.997	-105.1199	214.6902	1136.043	1136.043	1100.135	1095.135	.46454	1.757707	0	
28	54	128.5521	31.65136	7480.52	1129.335	-105.1199	214.6902	1131.908	1131.908	1098.272	1093.272	.423309	.423309	0	
28	55	125.6538	30.80927	7480.52	1124.971	-70.07994	214.6902	1128.485	1128.485	1096.347	1091.347	.409532	.409532	0	
28	56	122.642	30.14891	7480.52	1120.451	-70.07994	214.6902	1120.424	1120.424	1094.503	1089.503	.41	.41	0	
28	57	120.0975	29.65658	7480.52	1116.838	-70.07994	214.6902	1116.546	1116.546	1092.96	1087.96	.41	.41	0	
28	58	118.1586	30.24707	7480.52	1114.109	-36.47998	40000	1114.1	1113.1	1091.348	1086.348	.41	.41	12	
28	59	124.1777	31.58948	7480.52	1121.175	-70.07994	214.6902	1125.773	1125.773	1090.041	1085.041	.41	.41	0	
28	60	128.4443	32.44855	7480.52	1126.139	-70.07994	214.6902	1132.529	1132.529	1089.159	1084.159	.41	.41	0	

2	61	130.919	32.84419	7480.52	1128.896	-70.07994	214.6902	1138.522	1138.522	1088.684	1083.684	.41	.41	0
2	62	131.6456	32.78885	7480.52	1129.506	-70.07994	214.6902	1144.863	1144.863	1088.146	1083.146	.41	.41	0
28	63	130.5695	32.27528	7480.52	1127.879	-70.07994	214.6902	1149.841	1149.841	1087.706	1082.706	.41	.41	0
28	64	127.7302	31.90645	7480.52	1124.005	-70.07994	40000	1124	1123	1087.145	1082.145	.41	.41	20
2	1	20605.44	4996.026	7480.52	1093.15	0	40000	1093	1092	981.0735	976.0735	89.54462	44.77231	19
[illegible]		19513.57	4734.007	7480.52	1090.608	0	214.6902	1096.339	1096.339	984.4826	979.4826	89.06696	44.53348	0
2	3	18522.77	4447.183	7480.52	1086.253	0	40000	1085.7	1084.7	986.2112	981.2112	89.82174	44.91087	16
2	4	17485.01	4296.324	7480.52	1086.482	-118.7999	214.6902	1088.944	1088.944	991.2615	986.2615	87.25088	43.62544	0
2	5	17274.18	4151.026	7480.52	1086.602	-118.7999	214.6902	1092.008	1092.008	994.8271	989.8271	91.27842	45.63921	0
29	6	16291.21	3981.743	7480.52	1086.734	-118.7999	214.6902	1093.872	1093.872	997.9456	992.9456	87.01676	43.50838	0
29	7	15889.06	3856.894	7480.52	1086.739	-160.1998	214.6902	1097.51	1097.51	1002.046	997.0463	90.90856	45.45428	0
2	8	15145.74	3711.521	7480.52	1087.096	-160.1998	214.6902	1099.381	1099.381	1004.873	999.8731	87.84788	43.92394	0
2	9	14725.48	3585.875	7480.52	1087.432	-160.1998	214.6902	1102.702	1102.702	1008.788	1003.788	90.5021	45.25105	0
29	10	14061.95	3505.326	7480.52	1087.74	-160.1998	214.6902	1104.694	1104.694	1013.322	1008.322	90.20452	45.10226	0
2	11	13996.15	3554.043	7480.52	1088.034	-240.2998	214.6902	1108.313	1108.313	1017.54	1012.54	96.16806	48.08403	0
2	12	14758.86	3627.709	7480.52	1088.345	-273.242	214.6902	1108.486	1108.486	1020.628	1015.628	101.5674	50.78369	0
29	13	15387.17	3549.579	7480.52	1088.626	-273.242	214.6902	1104.485	1104.485	1023.473	1018.473	108.0966	54.0483	0
29	14	14181.67	3167.05	7480.52	1088.857	-273.242	214.6902	1109.353	1109.353	1026.966	1021.966	105.8813	52.94067	0
2	15	11627.06	2447.739	7480.52	1089.12	-273.242	214.6902	1112.495	1112.495	1031.653	1026.653	96.40694	48.20347	0
29	16	8031.938	1253.066	7480.52	1089.59	-178.1998	214.6902	1110.159	1110.159	1039.182	1034.182	74.43162	37.21581	0
29	17	2176.174	601.4292	7480.52	1090.849	-118.7999	214.6902	1112.165	1112.165	1049.389	1044.389	21.49854	21.49854	0
2	18	2240.851	1141.15	5610.39	1093.547	-118.7999	161.0176	1109.901	1109.901	1055.721	1050.721	31.00966	31.00966	0
2	19	1022.54	810.4584	3740.26	1095.097	-118.7999	107.3451	1109.503	1109.503	1062.494	1057.494	23.20642	23.20642	0
29	20	774.071	685.9933	3740.26	1097.276	-118.7999	107.3451	1112.108	1112.108	1069.983	1064.983	20.5514	20.5514	0
2	21	712.6934	656.5612	3740.26	1099.894	-136.621	107.3451	1117.702	1117.702	1077.521	1072.521	22.67122	22.67122	0
2	22	758.4537	792.1998	3740.26	1102.603	-204.9315	107.3451	1119.051	1119.051	1083.216	1078.216	24.68836	24.68836	0
29	23	957.1797	1274.076	3740.26	1104.865	-204.9315	107.3451	1120.146	1120.146	1086.505	1081.505	38.10422	38.10422	0
29	24	1646.839	2124.417	3740.26	1106.289	-204.9315	107.3451	1113.823	1113.823	1090.138	1085.157	73.14596	76.95158	0
2	25	2410.961	3226.534	3740.26	1107.101	-204.9315	107.3451	1113.139	1113.139	1090.667	1085.464	139.4431	57.48142	0
2	26	3269.521	3900.545	3740.26	1107.583	-118.7999	107.3451	1121.145	1121.145	1094.182	1085.019	257.4218	35	0
[illegible]	27	3293.154	3090.519	3740.26	1107.967	-118.7999	107.3451	1120.475	1120.475	1099.744	1086.035	420.9432	35	0
[illegible]	28	1861.193	1718.699	3740.26	1108.458	-118.7999	107.3451	1115.474	1115.474	1105.697	1087.801	552.6808	35	0
2	29	1175.773	2269.343	3740.26	1109.338	-118.7999	107.3451	1116.933	1116.933	1108.418	1088.556	545.1214	35	0
29	30	3300.418	2020.114	3740.26	1110.003	-118.7999	107.3451	1123.513	1123.513	1109.124	1090.213	222.9152	35	0
2	31	765.5485	2567.62	3740.26	1110.688	-136.621	107.3451	1129.375	1129.375	1109.046	1095.018	123.7272	35	0
2	32	4354.646	3231.333	3740.26	1111.171	-136.621	107.3451	1126.793	1126.793	1107.617	1096.586	204.4326	105	0
29	33	2104.39	2124.043	3740.26	1111.552	-136.621	107.3451	1123.83	1123.83	1108.155	1092.852	119.6299	105.5608	0
29	34	2260.555	1628.23	3740.26	1112.07	-136.621	107.3451	1123.551	1123.551	1106.694	1090.488	77.42178	105.6985	0
2	35	1009.136	1031.163	3740.26	1112.603	-13.13999	107.3451	1127.365	1127.365	1108.182	1091.418	33.94317	52.509	0
2	36	1023.517	664.3229	3740.26	1113.343	-13.13999	107.3451	1141.45	1141.45	1109.994	1092.334	2.230011	52.5	0
29	37	336.4643	315.2473	3740.26	1114.289	-.00001	107.3451	1148.756	1148.756	1109.621	1092.925	.887804	17.5	0
2	38	280.1433	168.7293	3740.26	1116.069	-.00001	107.3451	1150.521	1150.521	1106.935	1093.803	.695165	17.5	0
2	39	84.98251	52.30293	3740.26	1118.684	-.00001	107.3451	1149.533	1149.533	1104.593	1099.382	.1	.1	0
29	40	80.08203	26.23066	5610.39	1124.75	-.000015	161.0176	1149.089	1149.089	1100.735	1095.735	.1	.1	0
2	41	106.0325	27.73431	7480.52	1133.09	-105.1199	214.6902	1145.051	1145.051	1094.166	1089.166	.1	.1	0
2	42	113.0612	29.10392	7480.52	1136.185	-.00002	214.6902	1141.682	1141.682	1101.086	1096.086	.220514	.220514	5
29	43	113.9529	28.80889	7480.52	1135.155	-.00002	214.6902	1139.548	1139.548	1104.252	1099.252	.215934	.215934	0
29	44	113.3258	29.80475	7480.52	1132.815	-52.55998	214.6902	1134.405	1134.405	1103.708	1098.708	.209208	.204372	0
2	45	120.4496	31.4451	7480.52	1130.439	-35.03998	214.6902	1129.013	1129.013	1102.432	1097.432	.163647	1.506965	5
2	46	124.1858	34.07309	7480.52	1131.721	-35.03998	214.6902	1131.598	1131.598	1102.39	1097.39	.178247	1.744254	0
29	47	135.7329	44.4189	7480.52	1132.628	-35.03998	214.6902	1133.581	1133.581	1102.393	1097.558	.202587	3.408103	0
[illegible]	48	188.1986	56.21517	7480.52	1133.536	-35.03998	214.6902	1137.765	1137.765	1101.679	1097.509	.310212	10.89322	0
[illegible]	49	221.5433	62.80863	7480.52	1134.08	-35.03998	214.6902	1141.791	1141.791	1101.108	1097.318	.403939	14.91215	0
29	50	256.3916	61.78358	7480.52	1134.42	-35.03998	214.6902	1147.172	1147.172	1100.478	1096.824	.526679	17.5	0
[illegible]	51	228.0635	46.2152	7480.52	1134.447	-35.03998	214.6902	1146.956	1146.956	1101.059	1096.891	.511758	11.69391	0
[illegible]	52	153.1645	34.95473	7480.52	1134.223	-52.55998	214.6902	1146.809	1146.809	1101.833	1096.833	.431812	1.11259	0
[illegible]	53	140.242	33.70833	7480.52	1133.389	-78.83994	214.6902	1138.174	1138.174	1100.227	1095.227	.427232	1.393654	0
29	54	129.2026	31.90012	7480.52	1131.016	-70.07994	214.6902	1133.442	1133.442	1098.549	1093.549	.407145	.407145	0
[illegible]	55	126.9431	31.26469	7480.52	1127.151	-70.07994	214.6902	1131.957	1131.957	1096.125	1091.125	.409841	.409841	0
[illegible]	56	124.0867	30.53598	7480.52	1122.804	-70.07994	214.6902	1122.756	1122.756	1094.959	1089.959	.41	.41	0

29	57	121.2038	29.90746	7480.52	1118.673	-70.07994	214.6902	1118.484	1118.484	1093.348	1088.348	.41	.41	0
29	58	118.3666	30.33701	7480.52	1114.808	-36.47998	40000	1114.8	1113.8	1091.139	1086.139	.41	.41	12
29	59	124.1363	31.56602	7480.52	1121.543	-70.07994	214.6902	1126.169	1126.169	1090.641	1085.641	.41	.41	0
29	60	128.178	32.39226	7480.52	1126.184	-70.07994	214.6902	1132.427	1132.427	1089.875	1084.875	.41	.41	0
29	61	130.5767	32.79697	7480.52	1128.776	-70.07994	214.6902	1136.777	1136.777	1088.94	1083.94	.41	.41	0
29	62	131.4441	32.76494	7480.52	1129.349	-70.07994	214.6902	1143.05	1143.05	1088.268	1083.268	.41	.41	0
29	63	130.5104	32.29964	7480.52	1127.821	-70.07994	214.6902	1148.357	1148.357	1087.623	1082.623	.41	.41	0
29	64	127.7563	31.95864	7480.52	1124.105	-70.07994	40000	1124.1	1123.1	1086.828	1081.828	.41	.41	20
30	1	20502.38	5033.727	7480.52	1091.444	0	40000	1091.3	1090.3	981.3344	976.3344	91.43934	45.71967	19
30	2	19518.46	4775.078	7480.52	1089.603	0	214.6902	1093.609	1093.609	984.8802	979.8802	91.28956	45.64478	0
30	3	18554.48	4554.762	7480.52	1086.225	0	40000	1085.7	1084.7	986.9051	981.9051	90.95648	45.47824	16
30	4	17843.74	4393.475	7480.52	1086.594	-160.1998	214.6902	1089.977	1089.977	991.6578	986.6578	91.4	45.7	0
30	5	17299.39	4240.322	7480.52	1086.775	-160.1998	214.6902	1093.463	1093.463	994.9971	989.9971	91.37186	45.68593	0
30	6	16625.31	4063.324	7480.52	1086.939	-160.1998	214.6902	1095.172	1095.172	998.7214	993.7214	91.4	45.7	0
30	7	15838.14	3901.806	7480.52	1087.047	-160.1998	214.6902	1098.147	1098.147	1002.927	997.9273	91.25696	45.62848	0
30	8	15228.15	3756.284	7480.52	1087.368	-160.1998	214.6902	1100.333	1100.333	1005.88	1000.88	91.01228	45.50614	0
30	9	14420.92	3610.982	7480.52	1087.721	-160.1998	214.6902	1103.845	1103.845	1009.884	1004.884	91.12954	45.56477	0
30	10	14133.1	3509.198	7480.52	1088.084	-240.2998	214.6902	1103.709	1103.709	1014.434	1009.434	92.72488	46.36244	0
30	11	14107.25	3634.71	7480.52	1088.436	-273.242	214.6902	1102.452	1102.452	1018.708	1013.708	95.69882	47.84941	0
30	12	15857.22	3908.8	7480.52	1088.785	-273.242	214.6902	1104.34	1104.34	1021.209	1016.209	107.905	53.9525	0
30	13	17004.18	3842.632	7480.52	1089.079	-273.242	214.6902	1107.138	1107.138	1024.38	1019.381	119.1579	59.57895	0
30	14	15223.39	3285.133	7480.52	1089.314	-273.242	214.6902	1113.372	1113.372	1028.334	1023.328	114.9188	57.45942	0
30	15	11651.12	2467.011	7480.52	1089.589	-273.242	214.6902	1113.134	1113.134	1034.421	1029.421	100.1453	50.07267	0
30	16	8095.606	1298.962	7480.52	1090.118	-240.2998	214.6902	1111.104	1111.104	1042.729	1037.729	80.57622	40.28811	0
30	17	2395.16	689.5646	7480.52	1091.503	-118.7999	214.6902	1109.561	1109.561	1053.687	1048.687	25.66623	25.66623	0
30	18	2629.984	1375.291	5610.39	1094.292	-118.7999	161.0176	1111.954	1111.954	1059.508	1054.508	39.6826	39.6826	0
30	19	1264.76	986.1531	3740.26	1095.833	-118.7999	107.3451	1112.348	1112.348	1066.137	1061.137	31.37422	31.37422	0
30	20	944.8227	800.7711	3740.26	1097.947	-136.621	107.3451	1112.542	1112.542	1073.203	1068.203	26.81468	26.81468	0
30	21	821.0731	814.5859	3740.26	1100.488	-136.621	107.3451	1120.421	1120.421	1080.47	1075.47	28.57392	28.57392	0
30	22	879.9659	923.4337	3740.26	1102.998	-204.9315	107.3451	1123.183	1123.183	1085.859	1080.859	37.15692	37.15692	0
3	23	1031.984	1329.942	3740.26	1105.127	-204.9315	107.3451	1120.161	1120.161	1089.119	1084.119	44.30972	44.30972	0
3	24	1521.372	1933.383	3740.26	1106.526	-204.9315	107.3451	1114.793	1114.793	1091.788	1086.916	83.76092	82.13262	0
30	25	1936.237	2453.948	3740.26	1107.392	-204.9315	107.3451	1114.587	1114.587	1091.388	1086.147	115.6923	54.59046	0
30	26	2154.494	2662.129	3740.26	1107.977	-136.621	107.3451	1120.954	1120.954	1093.584	1085.402	166.0696	35	0
30	27	1992.69	2063.827	3740.26	1108.5	-118.7999	107.3451	1119.987	1119.987	1098.813	1086.498	219.2328	35	0
30	28	1377.719	1318.267	3740.26	1109.206	-118.7999	107.3451	1121.537	1121.537	1104.288	1088.37	187.5178	35	0
30	29	1088.121	2206.849	3740.26	1110.228	-118.7999	107.3451	1127.526	1127.526	1107.303	1090.396	160.729	35	0
30	30	3282.931	2045.853	3740.26	1110.806	-136.621	107.3451	1130.638	1130.638	1107.863	1092.283	100.6908	35	0
30	31	803.2245	2552.574	3740.26	1111.382	-136.621	107.3451	1132.834	1132.834	1107.845	1094.091	72.7728	35	0
30	32	4493.519	3227.703	3740.26	1111.781	-136.621	107.3451	1131.265	1131.265	1109.73	1095.7	168.3882	105	0
30	33	2223.756	2240.902	3740.26	1112.076	-136.621	107.3451	1124.346	1124.346	1110.017	1092.614	127.1441	105	0
30	34	2435.272	1641.461	3740.26	1112.452	-136.621	107.3451	1126.082	1126.082	1108.217	1090.199	95.17368	105	0
30	35	1028.93	1001.491	3740.26	1112.875	-13.13999	107.3451	1132.777	1132.777	1106.358	1090.124	5.942451	52.5	0
30	36	1127.082	695.6589	3740.26	1113.52	-13.13999	107.3451	1139.674	1139.674	1110.409	1091.254	3.025842	52.5	0
30	37	341.6	301.3604	3740.26	1114.359	-.00001	107.3451	1145.285	1145.285	1107.284	1091.73	.965314	17.5	0
30	38	271.9749	196.3965	3740.26	1116.17	-.00001	107.3451	1148.39	1148.39	1104.925	1092.4	.625619	17.5	0
30	39	127.2587	86.06761	3740.26	1118.669	-.00001	107.3451	1148.971	1148.971	1102.942	1098.099	.417649	12.63563	0
30	40	79.57785	26.97148	5610.39	1123.301	-.000015	161.0176	1147.044	1147.044	1099.116	1094.116	.201354	.067179	0
30	41	124.853	27.03912	7480.52	1131.936	-70.07994	214.6902	1143.464	1143.464	1093.262	1088.262	.12777	.12777	0
30	42	118.0986	27.64962	7480.52	1135.61	-70.07994	214.6902	1140.149	1140.149	1097.694	1092.694	.134566	.134566	0
30	43	110.5151	28.0108	7480.52	1135.656	-70.07994	214.6902	1139.159	1139.159	1100.992	1095.992	.161325	.161325	0
30	44	111.4935	28.6391	7480.52	1133.853	-52.55998	214.6902	1137.736	1137.736	1101.035	1096.035	.172355	.172355	5
31	45	112.332	29.71375	7480.52	1132.803	-35.03998	214.6902	1132.9	1132.9	1100.39	1095.39	.131069	.958062	5
30	46	118.652	30.90659	7480.52	1133.645	-35.03998	214.6902	1135.643	1135.643	1100.726	1095.726	.142787	1.23624	0
31	47	125.223	36.56396	7480.52	1134.394	-35.03998	214.6902	1138.494	1138.494	1101.29	1096.29	.163898	1.638981	0
7	48	154.7742	46.22029	7480.52	1134.921	-35.03998	214.6902	1140.617	1140.617	1102.433	1097.729	.279675	5.102735	0
30	49	191.0426	56.67509	7480.52	1135.293	-35.03998	214.6902	1143.227	1143.227	1102.191	1097.866	.364958	9.209618	0
30	50	241.3575	59.33018	7480.52	1135.504	-35.03998	214.6902	1147.808	1147.808	1100.473	1096.833	.475413	16.05518	0
31	51	220.2527	49.09178	7480.52	1135.532	-35.03998	214.6902	1148.419	1148.419	1100.796	1096.69	.452991	11.45762	0
30	52	168.274	38.39689	7480.52	1135.418	-39.41996	214.6902	1147.671	1147.671	1102.195	1097.195	.409849	4.090227	0

30	54	141.5023	33.65284	7480.52	1134.615	-52.55998	214.6902	1140.878	1140.878	1100.51	1095.51	.41	1.253657	0
30	55	130.3235	32.13633	7480.52	1132.482	-70.07994	214.6902	1135.537	1135.537	1099.069	1094.069	.41	.41	0
30	56	127.895	31.49277	7480.52	1128.857	-70.07994	214.6902	1130.493	1130.493	1097.945	1092.945	.41	.41	0
30	57	125.0765	30.78664	7480.52	1124.569	-70.07994	214.6902	1125.149	1125.149	1095.721	1090.721	.41	.41	0
30	58	121.9372	29.98515	7480.52	1120.16	-70.07994	214.6902	1120.281	1120.281	1094.24	1089.24	.41	.41	0
30	59	118.3175	30.28874	7480.52	1115.31	-36.47998	40000	1115.3	1114.3	1092.77	1087.77	.41	.41	12
30	60	124.1063	31.51256	7480.52	1121.814	-70.07994	214.6902	1125.787	1125.787	1091.558	1086.558	.41	.41	0
30	61	128.0108	32.2964	7480.52	1126.17	-70.07994	214.6902	1131.741	1131.741	1090.553	1085.553	.41	.41	0
30	62	130.3484	32.70823	7480.52	1128.619	-70.07994	214.6902	1134.308	1134.308	1089.829	1084.829	.41	.41	0
30	63	131.2923	32.72369	7480.52	1129.182	-70.07994	214.6902	1140.809	1140.809	1088.492	1083.492	.41	.41	0
30	64	130.4809	32.26703	7480.52	1127.762	-70.07994	214.6902	1146.293	1146.293	1087.764	1082.764	.41	.41	0
30	65	127.8659	31.91949	7480.52	1124.205	-70.07994	40000	1124.2	1123.2	1087.425	1082.425	.41	.41	20
31	1	20232.22	4971.484	7480.52	1090.463	0	40000	1090.6	1089.6	981.8422	976.8422	91.4	45.7	19
31	2	19312.71	4743.157	7480.52	1088.95	0	214.6902	1091.687	1091.687	985.5461	980.5461	91.4	45.7	0
31	3	18576.07	4544.793	7480.52	1086.369	0	40000	1085.7	1084.7	987.5296	982.5296	91.19816	45.59908	16
31	4	17802.75	4392.308	7480.52	1086.744	-160.1998	214.6902	1090.838	1090.838	992.0357	987.0357	91.4	45.7	0
31	5	17327.38	4240.853	7480.52	1086.944	-160.1998	214.6902	1093.54	1093.54	995.0021	990.0021	91.38366	45.69183	0
31	6	16487.23	4052.539	7480.52	1087.145	-160.1998	214.6902	1096.538	1096.538	999.081	994.081	91.4	45.7	0
31	7	15725.68	3864.767	7480.52	1087.295	-160.1998	214.6902	1097.7	1097.7	1003.518	998.5178	91.2807	45.64035	0
31	8	14932.76	3655.983	7480.52	1087.623	-160.1998	214.6902	1100.992	1100.992	1006.542	1001.542	90.03006	45.01503	0
31	9	13948.31	3527.522	7480.52	1088.007	-240.2998	214.6902	1104	1104	1010.971	1005.971	88.49658	44.24829	0
31	10	14111.6	3550.888	7480.52	1088.413	-273.242	214.6902	1103.562	1103.562	1015.387	1010.387	92.80426	46.40213	0
31	11	14653.27	3856.406	7480.52	1088.813	-273.242	214.6902	1104.244	1104.244	1019.855	1014.855	99.78272	49.89136	0
31	12	17349.31	4306.55	7480.52	1089.185	-273.242	214.6902	1109.884	1109.884	1021.729	1016.729	117.6429	58.82146	0
31	13	19545.16	4214.261	7480.52	1089.487	-273.242	214.6902	1115.599	1115.599	1025.207	1020.208	133.7177	66.85883	0
31	14	16949.52	3433.495	7480.52	1089.721	-273.242	214.6902	1115.478	1115.478	1029.933	1024.921	126.1587	63.07936	0
31	15	11823.43	2469.671	7480.52	1089.998	-273.242	214.6902	1113.628	1113.628	1036.397	1031.397	103.4599	51.72993	0
31	16	7891.075	1323.73	7480.52	1090.55	-240.2998	214.6902	1111.45	1111.45	1045.56	1040.56	84.23508	42.11754	0
31	17	2622.883	785.8867	7480.52	1091.995	-118.7999	214.6902	1115.475	1115.475	1057.072	1052.072	30.46246	30.46246	0
31	18	2243.116	1642.791	5610.39	1094.805	-118.7999	161.0176	1113.332	1113.332	1063.062	1058.062	50.22032	50.22032	0
31	19	1132.349	1223.429	3740.26	1096.361	-118.7999	107.3451	1110.243	1110.243	1069.537	1064.537	42.59194	42.59194	0
31	20	882.251	965.1248	3740.26	1098.405	-136.621	107.3451	1111.625	1111.625	1076.295	1071.295	37.02462	37.02462	0
31	21	736.9932	886.4532	3740.26	1100.822	-136.621	107.3451	1121.437	1121.437	1082.671	1077.671	36.11792	36.11792	0
31	22	708.2505	988.5168	3740.26	1103.273	-204.9315	107.3451	1122.568	1122.568	1087.733	1082.733	41.09392	41.09392	0
31	23	821.5767	1223.414	3740.26	1105.339	-204.9315	107.3451	1119.245	1119.245	1090.886	1085.96	53.92202	52.63592	0
31	24	1025.035	1524.227	3740.26	1106.815	-204.9315	107.3451	1119.458	1119.458	1090.59	1086.562	70.43138	42.31116	0
31	25	1425.745	1636.783	3740.26	1107.81	-204.9315	107.3451	1123.046	1123.046	1091.416	1086.085	89.25318	33.23672	0
31	26	1285.592	1485.054	3740.26	1108.533	-136.621	107.3451	1121.375	1121.375	1094.475	1086.134	88.67224	35	0
31	27	1227.807	1306.581	3740.26	1109.289	-136.621	107.3451	1123.301	1123.301	1098.749	1086.791	87.12484	35	0
31	28	1161.747	1147.572	3740.26	1110.211	-118.7999	107.3451	1127.871	1127.871	1102.76	1088.121	89.7315	35	0
31	29	1013.327	2164.203	3740.26	1111.148	-118.7999	107.3451	1133.381	1133.381	1105.1	1090.189	81.99656	35	0
31	30	3296.163	2040.302	3740.26	1111.599	-136.621	107.3451	1139.718	1139.718	1106.46	1092.322	59.2554	35	0
31	31	889.829	2744.168	3740.26	1112.068	-136.621	107.3451	1136.864	1136.864	1106.663	1092.327	49.53518	35	0
31	32	4902.907	3489.572	3740.26	1112.356	-136.621	107.3451	1131.969	1131.969	1109.158	1092.492	142.2392	105	0
31	33	2509.952	2418.126	3740.26	1112.555	-136.621	107.3451	1129.88	1129.88	1109.942	1091.709	132.1357	105	0
31	34	2465.708	1822.741	3740.26	1112.809	-13.13999	107.3451	1128.039	1128.039	1109.315	1089.48	113.1604	105	0
31	35	1148.5	1154.521	3740.26	1113.174	-13.13999	107.3451	1134.469	1134.469	1108.702	1089.118	9.431514	52.5	0
31	36	1157.384	773.0233	3740.26	1113.723	-13.13999	107.3451	1140.085	1140.085	1111.151	1089.56	3.416199	52.5	0
31	37	341.2274	312.2146	3740.26	1114.5	-.00001	107.3451	1143.922	1143.922	1107.946	1090.715	.840405	17.5	0
31	38	255.9635	202.8371	3740.26	1116.328	-.00001	107.3451	1147.841	1147.841	1103.766	1091.563	.536378	17.5	0
31	39	136.9164	94.24299	3740.26	1118.831	-.00001	107.3451	1147.298	1147.298	1102.056	1095.278	.316535	12.10262	0
31	40	84.52635	30.76772	5610.39	1123.045	-.000015	161.0176	1144.48	1144.48	1098.371	1093.371	.104971	.026957	0
31	41	153.5983	33.69877	7480.52	1131.465	-70.07994	214.6902	1142.816	1142.816	1094.125	1089.125	.548394	.548394	0
31	42	136.3523	29.50379	7480.52	1135.296	-70.07994	214.6902	1139.64	1139.64	1095.626	1090.626	.336351	.336351	5
31	43	109.0566	27.49135	7480.52	1136.009	-70.07994	214.6902	1138.985	1138.985	1098.568	1093.568	.12978	.12978	0
31	44	110.9413	27.31728	7480.52	1134.254	-52.55998	214.6902	1133.787	1133.787	1099.347	1094.347	.155231	.155231	5
31	45	107.9652	28.03225	7480.52	1134.534	-35.03998	214.6902	1137.408	1137.408	1098.653	1093.653	.118894	.105588	0
31	46	116.7518	30.06217	7480.52	1135.378	-35.03998	214.6902	1139.053	1139.053	1099.222	1094.222	.127513	.89407	0
31	47	124.6335	33.43535	7480.52	1136.058	-35.03998	214.6902	1141.534	1141.534	1099.824	1094.824	.146894	1.468939	0
31	48	142.1005	40.23393	7480.52	1136.39	-35.03998	214.6902	1140.298	1140.298	1102.062	1097.068	.258209	2.625302	0

31	49	171.0326	51.42496	7480.52	1136.541	-35.03998	214.6902	1142.485	1142.485	1102.217	1097.561	.333609	5.978157	0
31	0	211.5968	56.07237	7480.52	1136.552	-35.03998	214.6902	1147.942	1147.942	1099.959	1096.463	.385412	15.09209	0
31	1	201.6835	48.03988	7480.52	1136.529	-26.27998	214.6902	1149.156	1149.156	1100.684	1096.489	.413839	10.31399	0
31	52	169.3651	39.04719	7480.52	1136.423	-26.27998	214.6902	1149.533	1149.533	1101.579	1096.579	.409832	4.086479	0
31	3	142.4392	34.30362	7480.52	1135.747	-52.55998	214.6902	1144.04	1144.04	1100.33	1095.33	.41	1.570825	0
31	4	131.343	32.4183	7480.52	1133.74	-70.07994	214.6902	1138.277	1138.277	1099.063	1094.063	.41	.41	0
31	5	128.942	31.75011	7480.52	1130.148	-70.07994	214.6902	1131.071	1131.071	1097.537	1092.537	.41	.41	0
31	56	125.6724	30.9668	7480.52	1125.766	-70.07994	214.6902	1126.857	1126.857	1096.081	1091.081	.41	.41	0
31	7	122.3787	30.07853	7480.52	1121.144	-70.07994	214.6902	1121.588	1121.588	1094.745	1089.745	.41	.41	0
31	58	118.8543	30.31721	7480.52	1115.91	-36.47998	40000	1115.9	1114.9	1093.644	1088.644	.41	.41	12
31	59	124.2563	31.51673	7480.52	1122.001	-70.07994	214.6902	1125.131	1125.131	1091.73	1086.73	.41	.41	0
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31	1	130.3316	32.70195	7480.52	1128.39	-70.07994	214.6902	1133.526	1133.526	1089.291	1084.291	.41	.41	0
31	62	131.248	32.71959	7480.52	1128.977	-70.07994	214.6902	1139.448	1139.448	1088.266	1083.266	.41	.41	0
31	63	130.5658	32.31966	7480.52	1127.69	-70.07994	214.6902	1144.79	1144.79	1087.504	1082.504	.41	.41	0
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32	4	17665.01	4390.224	7480.52	1086.931	-160.1998	214.6902	1091.734	1091.734	992.4454	987.4454	91.4	45.7	0
32	5	17262.71	4212.801	7480.52	1087.105	-160.1998	214.6902	1096.811	1096.811	995.0414	990.0414	91.39142	45.69571	0
32	6	60461.22	4000.689	7480.52	1087.357	-160.1998	214.6902	1097.742	1097.742	999.575	994.575	90.30932	45.15466	0
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32	11	15382.6	4144.239	7480.52	1089.156	-273.242	214.6902	1105.664	1105.664	1020.461	1015.461	104.7511	52.37556	0
32	12	19516.49	4917.065	7480.52	1089.542	-273.242	214.6902	1115.979	1115.979	1022.147	1017.147	129.5282	64.76409	0
32	13	24016.69	4909.408	7480.52	1089.845	-273.242	214.6902	1111.46	1111.46	1025.954	1020.954	158.8749	79.43743	0
32	14	20197.26	3759.742	7480.52	1090.072	-273.242	214.6902	1106.312	1106.312	1031.224	1026.224	147.0434	73.52168	0
32	15	12441.22	2458.954	7480.52	1090.344	-273.242	214.6902	1100.245	1100.245	1038.37	1033.37	109.1634	54.5817	0
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3	6	124.8158	31.57834	7480.52	1138.097	-35.03998	214.6902	1140.716	1140.716	1097.922	1092.922	.166335	1.01764	0
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33	9	163.0022	40.21673	7480.52	1138.891	-26.27998	214.6902	1145.756	1145.756	1101.508	1096.508	.324848	3.248476	0
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33	54	134.3679	32.672	7480.52	1135.776	-70.07994	214.6902	1142.317	1142.317	1098.56	1093.56	.41	.352695	0
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33	57	122.5361	30.34873	7480.52	1121.61	-70.07994	214.6902	1121.097	1121.097	1095.109	1090.109	.41	.41	0
33	58	120.86	30.59357	7480.52	1117.807	-36.47998	40000	1117.8	1116.8	1092.721	1087.721	.41	.41	12
33	59	124.2885	31.53107	7480.52	1121.94	-70.07994	214.6902	1124.879	1124.879	1090.889	1085.889	.41	.41	0
33	60	127.6186	32.23535	7480.52	1125.391	-70.07994	214.6902	1130.153	1130.153	1089.515	1084.515	.41	.41	0
33	61	129.8828	32.65224	7480.52	1127.569	-70.07994	214.6902	1132.536	1132.536	1088.341	1083.341	.41	.41	0
33	62	131.054	32.7341	7480.52	1128.342	-70.07994	214.6902	1136.979	1136.979	1087.227	1082.227	.41	.41	0
33	63	130.753	32.41608	7480.52	1127.421	-70.07994	214.6902	1142.646	1142.646	1086.401	1081.401	.41	.41	0
33	64	128.8028	32.15112	7480.52	1124.504	-70.07994	40000	1124.5	1123.5	1085.723	1080.723	.41	.41	20
34	1	19588.37	4809.935	7480.52	1088.704	0	40000	1088.8	1087.8	983.5146	978.5146	91.50474	45.75237	19
34	2	18384.57	4613.695	7480.52	1087.85	0	214.6902	1090.002	1090.002	987.3558	982.3558	90.6369	45.31845	0
34	3	17826.53	4408.88	7480.52	1086.815	0	214.6902	1085.5	1085.5	989.4854	984.4854	90.83376	45.41688	0
34	4	16561.05	4190.498	7480.52	1086.966	-160.1998	214.6902	1092.465	1092.465	993.6967	988.6967	88.90644	44.45322	0
34	5	16084.04	3982.67	7480.52	1087.269	-160.1998	214.6902	1096.464	1096.464	996.532	991.532	87.87154	43.93577	0
34	6	15052.48	3742.937	7480.52	1087.477	-240.2998	214.6902	1098.901	1098.901	1000.66	995.6603	86.00458	43.00229	0
3	7	14397.81	3582.624	7480.52	1087.853	-237.5998	214.6902	1100.071	1100.071	1005.035	1000.035	84.76762	42.38381	0
3	8	13881.73	3471.013	7480.52	1088.306	-237.5998	214.6902	1102.862	1102.862	1008.238	1003.238	85.24958	42.62479	0
34	9	13505.54	3524.705	7480.52	1088.783	-273.242	214.6902	1106.112	1106.112	1012.524	1007.524	86.138	43.069	0
34	10	14555.28	3931.237	7480.52	1089.269	-273.242	214.6902	1108.263	1108.263	1017.057	1012.057	97.06226	48.53113	0
34	11	17152.53	5192.848	7480.52	1089.731	-273.242	214.6902	1108.067	1108.067	1021.321	1016.321	118.578	59.28898	0
34	12	26237.08	7418.968	7480.52	1090.108	-273.242	214.6902	1096.929	1096.929	1023.029	1018.029	176.7325	88.36623	0
34	13	38194.65	7824.236	7480.52	1090.373	-273.242	214.6902	1094.884	1094.884	1027.141	1022.141	263.3642	131.6821	0
34	14	31081.51	5289.529	7480.52	1090.583	-273.242	214.6902	1106.75	1106.75	1033.367	1028.367	233.0278	116.5139	0
34	15	15452.83	2660.456	7480.52	1090.846	-273.242	214.6902	1104.033	1104.033	1041.305	1036.305	137.7713	68.88566	0
34	16	6865.935	999.1502	7480.52	1091.359	-240.2998	214.6902	1101.31	1101.31	1051.698	1046.698	80.538	40.269	0
34	17	1053.839	270.0501	7480.52	1092.614	-160.1998	214.6902	1114.544	1114.544	1063.421	1058.421	15.20732	15.20732	0
34	18	721.2722	492.5597	5610.39	1096.234	-160.1998	161.0176	1112.69	1112.69	1069.498	1064.498	14.98285	14.98285	0
34	19	433.2991	414.9396	3740.26	1098.143	-136.621	107.3451	1117.929	1117.929	1075.577	1070.577	15.31927	15.31927	0
34	20	363.6104	339.3575	3740.26	1100.24	-136.621	107.3451	1123.407	1123.407	1081.651	1076.651	13.46717	13.46717	0
34	21	298.5533	292.9819	3740.26	1102.54	-204.9315	107.3451	1123.429	1123.429	1087.615	1082.615	13.48034	13.48034	0
34	22	251.5864	244.7985	3740.26	1104.885	-204.9315	107.3451	1123.395	1123.395	1092.157	1087.157	12.56349	12.56349	0
34	23	220.4719	208.101	3740.26	1107.178	-204.9315	107.3451	1127.318	1127.318	1096.089	1091.2	10.66776	10.67008	0
34	24	213.3127	474.8186	3740.26	1109.486	-204.9315	107.3451	1130.654	1130.654	1096.424	1091.58	8.252865	8.3908	0
3	25	749.6765	771.8436	3740.26	1110.677	-204.9315	107.3451	1128.519	1128.519	1098.988	1090.29	34.1772	35.00188	0
34	26	786.4864	803.9647	3740.26	1111.496	-90.11235	107.3451	1128.354	1128.354	1102.862	1089.935	34.31032	34.52922	0
34	27	843.2772	3448.073	3740.26	1112.455	-90.11235	107.3451	1130.321	1130.321	1104.435	1088.298	27.90868	33.7614	0
3	28	6663.425	7202.814	3740.26	1112.752	0	107.3451	1126.293	1126.293	1099.72	1084.94	339.9622	108.1802	0
3	29	5870.998	8346.543	3740.26	1112.918	0	107.3451	1132.014	1132.014	1095.238	1081.63	387.2686	105	0
34	30	6539.167	6843.837	3740.26	1113.072	0	107.3451	1136.052	1136.052	1095.898	1079.552	251.5608	105	0
3	31	4200.427	10435.7	3740.26	1113.268	0	107.3451	1134.818	1134.818	1102.677	1082.147	294.1704	105	0
-	32	13788.03	9684.995	3740.26	1113.38	0	107.3451	1131.304	1131.304	1108.404	1083.946	1097.282	315	0
3	33	3385.775	3360.726	3740.26	1113.461	0	107.3451	1131.219	1131.219	1109.55	1085.925	329.0104	105	0
34	34	2853.577	2143.713	3740.26	1113.664	0	107.3451	1135.837	1135.837	1110.308	1087.211	101.2521	108.8113	0
3	35	1397.701	1256.034	3740.26	1113.938	0	107.3451	1139.461	1139.461	1110.765	1087.779	36.95325	53.0685	0
34	36	1025.029	708.3368	3740.26	1114.369	0	107.3451	1142.707	1142.707	1105.847	1088.378	18.94563	52.49439	0

34	37	233.2443	204.2577	3740.26	1115.124	-.00001	107.3451	1143.304	1143.304	1098.727	1088.033	3.129604	17.83623	0
34	38	90.65906	87.61932	3740.26	1117.287	-.00001	107.3451	1143.477	1143.477	1096.294	1090.225	.409759	10.14509	0
34	39	55.90725	69.80325	3740.26	1121.643	-.00001	107.3451	1143.026	1143.026	1093.751	1088.774	.221566	.500098	0
34	40	128.8261	41.69371	5610.39	1126.503	-.000015	161.0176	1140.698	1140.698	1089.495	1084.495	.850762	.850762	0
34	41	176.241	36.79472	7480.52	1132.636	-70.07994	214.6902	1139.709	1139.709	1089.742	1084.742	.765846	.765846	0
34	42	116.3021	30.22389	7480.52	1136.186	-70.07994	214.6902	1138.989	1138.989	1091.856	1086.856	.317343	.317343	0
34	43	118.7697	29.1864	7480.52	1137.417	-70.07994	214.6902	1138.226	1138.226	1094.697	1089.697	.196184	.196184	0
34	44	122.5485	29.386	7480.52	1135.577	-52.55998	214.6902	1134.078	1134.078	1096.417	1091.417	.238879	.238879	5
34	45	119.3983	30.63204	7480.52	1137.76	-18.23998	214.6902	1138.664	1138.664	1097.139	1092.139	.21148	.21148	0
34	46	132.845	33.57523	7480.52	1139.101	-35.03998	214.6902	1141.135	1141.135	1098.007	1093.007	.212492	1.293302	0
34	47	146.2155	37.46616	7480.52	1139.769	-35.03998	214.6902	1143.066	1143.066	1098.86	1093.86	.231641	2.316408	0
34	48	165.191	41.16042	7480.52	1139.923	-13.67999	214.6902	1145.8	1145.8	1100.778	1095.778	.338537	3.385374	0
34	49	176.1483	42.44765	7480.52	1139.876	-9.119992	214.6902	1147.69	1147.69	1101.445	1096.445	.399081	3.990812	0
34	50	183.1949	41.60732	7480.52	1139.708	-9.119992	214.6902	1149.661	1149.661	1101.075	1096.049	.408026	3.881359	0
34	51	174.0547	37.2906	7480.52	1139.578	-9.119992	214.6902	1150.296	1150.296	1100.793	1095.793	.427975	3.093835	0
34	52	151.2288	34.46568	7480.52	1139.489	-26.27998	214.6902	1151.022	1151.022	1099.624	1094.624	.409688	.39465	0
34	53	151.599	34.64626	7480.52	1138.827	-52.55998	214.6902	1148.894	1148.894	1099.628	1094.628	.41	.988632	0
34	54	143.4848	33.28819	7480.52	1136.693	-70.07994	214.6902	1142.891	1142.891	1099.221	1094.221	.41	.749891	0
34	55	129.7191	31.88908	7480.52	1131.998	-70.07994	214.6902	1131.517	1131.517	1098.326	1093.326	.41	.41	0
34	56	125.7292	31.0001	7480.52	1126.019	-70.07994	214.6902	1124.577	1124.577	1096.826	1091.826	.41	.41	0
34	57	122.9202	30.50031	7480.52	1121.572	-70.07994	214.6902	1120.458	1120.458	1094.732	1089.732	.41	.41	0
34	58	121.771	30.69355	7480.52	1118.905	-70.07994	40000	1118.9	1117.9	1092.238	1087.238	.41	.41	12
34	59	123.5703	31.4457	7480.52	1121.377	-70.07994	214.6902	1125.357	1125.357	1090.468	1085.468	.41	.41	0
34	60	127.0547	32.14	7480.52	1124.712	-70.07994	214.6902	1128.382	1128.382	1089.1	1084.1	.41	.41	0
34	61	129.3875	32.58195	7480.52	1126.89	-70.07994	214.6902	1127.502	1127.502	1087.882	1082.882	.41	.41	0
34	62	130.8055	32.71764	7480.52	1127.867	-70.07994	214.6902	1135.858	1135.858	1086.728	1081.728	.41	.41	0
34	63	130.7763	32.47288	7480.52	1127.226	-70.07994	214.6902	1142.457	1142.457	1085.856	1080.856	.41	.41	0
34	64	129.1587	32.25029	7480.52	1124.703	-70.07994	40000	1124.7	1123.7	1085.139	1080.139	.41	.41	20
35	1	14273.17	4683.3	7480.52	1088.352	0	40000	1088.4	1087.4	983.9675	978.9675	90.60596	45.30298	19
35	2	13285.01	4439.08	7480.52	1087.549	0	214.6902	1088.553	1088.553	987.7569	982.7569	87.96412	43.98206	0
35	3	12710.56	4188.017	7480.52	1086.213	0	40000	1085.8	1084.8	989.9391	984.9391	88.14376	44.07188	16
35	4	11897.71	3970.775	7480.52	1086.885	-160.1998	214.6902	1092.887	1092.887	994.2056	989.2056	83.97278	41.98639	0
35	5	11464.82	3801.46	7480.52	1087.316	-240.2998	214.6902	1097.253	1097.253	997.0358	992.0358	84.4551	42.22755	0
35	6	10941.57	3619.636	7480.52	1087.647	-273.242	214.6902	1098.337	1098.337	1001.209	996.2089	82.2335	41.11675	0
35	7	10491.57	3487.262	7480.52	1088.049	-273.242	214.6902	1100.124	1100.124	1005.772	1000.772	83.82786	41.91393	0
35	8	10181.13	3375.806	7480.52	1088.509	-273.242	214.6902	1102.505	1102.505	1008.623	1003.623	82.32746	41.16373	0
35	9	9824.939	3490.501	7480.52	1089	-273.242	214.6902	1107.864	1107.864	1012.682	1007.682	84.4908	42.2454	0
35	10	11064.4	3995.715	7480.52	1089.5	-273.242	214.6902	1110.768	1110.768	1017.252	1012.252	96.85328	48.42664	0
35	11	13603.72	5654.553	7480.52	1089.962	-273.242	214.6902	1112.557	1112.557	1021.336	1016.336	122.014	61.00702	0
35	12	22355.52	8688.964	7480.52	1090.319	-273.242	214.6902	1109.073	1109.073	1023.2	1018.2	199.2795	99.63974	0
35	13	33999.85	9494.803	7480.52	1090.563	-273.242	214.6902	1095.166	1095.166	1027.38	1022.38	316.8968	158.4484	0
35	14	28205.83	6344.054	7480.52	1090.765	-273.242	214.6902	1101.293	1101.293	1033.771	1028.771	287.3328	143.6664	0
35	15	13491.63	2919.234	7480.52	1091.025	-273.242	214.6902	1100.378	1100.378	1042.383	1037.383	160.5027	80.25137	0
35	16	5449.06	980.7935	7480.52	1091.546	-240.2998	214.6902	1101.319	1101.319	1053.011	1048.011	82.6463	41.32315	0
35	17	994.2964	233.8338	7480.52	1092.892	-160.1998	214.6902	1113.139	1113.139	1064.956	1059.956	13.66656	13.66656	0
35	18	657.4671	421.5875	5610.39	1097.026	-240.2997	161.0176	1115.072	1115.072	1071.06	1066.06	12.91288	12.91288	0
35	19	392.9785	381.9698	3740.26	1099.142	-204.9315	107.3451	1121.976	1121.976	1076.964	1071.964	13.07572	13.07572	0
35	20	333.2573	322.8062	3740.26	1101.349	-204.9315	107.3451	1124.381	1124.381	1082.576	1077.576	13.38298	13.38298	0
35	21	260.9178	257.1577	3740.26	1103.71	-204.9315	107.3451	1123.39	1123.39	1088.035	1083.035	11.35277	11.35277	0
35	22	226.1681	227.2598	3740.26	1106.229	-204.9315	107.3451	1124.61	1124.61	1092.524	1087.492	9.86319	9.86012	0
35	23	231.7255	225.6837	3740.26	1108.655	-204.9315	107.3451	1129.337	1129.337	1092.476	1088.524	8.616565	8.70272	0
35	24	239.3361	488.1707	3740.26	1110.763	-204.9315	107.3451	1129.948	1129.948	1096.835	1089.875	8.634165	8.75162	0
35	25	774.5862	764.3193	3740.26	1111.604	-204.9315	107.3451	1131.044	1131.044	1100.872	1091.463	34.34466	35.00324	0
35	26	780.7233	825.7988	3740.26	1112.203	-90.11235	107.3451	1132.104	1132.104	1104.856	1091.137	34.43506	34.9811	0
35	27	883.6579	4058.628	3740.26	1112.867	-90.11235	107.3451	1133.879	1133.879	1106.151	1089.049	28.45626	36.85808	0
35	28	5462.634	5331.608	3740.26	1113.001	0	107.3451	1132.487	1132.487	1096.556	1082.692	346.468	108.1543	0
35	29	2716.985	4063.621	3740.26	1113.121	0	107.3451	1129.694	1129.694	1088.253	1077.668	90.77976	105	0
35	30	4627.666	3895.756	3740.26	1113.318	0	107.3451	1132.367	1132.367	1089.444	1075.798	41.49638	105	0
35	31	2655.704	7552.75	3740.26	1113.505	0	107.3451	1134.146	1134.146	1099.104	1078.533	60.65772	105	0
35	32	10484.44	7488.806	3740.26	1113.611	0	107.3451	1134.251	1134.251	1109.424	1081.476	208.1412	315	0

36	29	2237.698	3281.03	3740.26	1113.491	0	107.3451	1135.941	1135.941	1081.81	1072.781	32.3563	105	0
36	30	4534.531	3387.613	3740.26	1113.677	0	107.3451	1131.367	1131.367	1086.352	1077.338	47.31874	105	0
36	31	2343.959	5587.395	3740.26	1113.832	0	107.3451	1131.616	1131.616	1097.863	1086.236	60.26328	105	0
36	32	9603.563	5799.155	3740.26	1113.924	0	107.3451	1135.43	1135.43	1107.111	1091.358	223.9876	315	0
36	3	2653.263	2623.077	3740.26	1114.009	0	107.3451	1135.585	1135.585	1108.94	1088.351	87.52908	105	0
3	4	2455.458	1850.163	3740.26	1114.197	0	107.3451	1138.527	1138.527	1109.583	1089.129	85.43658	105	0
36	35	1000.747	890.0753	3740.26	1114.452	0	107.3451	1139.949	1139.949	1102.983	1089.7	31.65054	52.5	0
36	36	595.5872	400.5002	3740.26	1114.966	0	107.3451	1142.615	1142.615	1097.858	1090.672	17.74084	44.37135	0
36	37	131.0168	96.03246	3740.26	1116.018	-.00001	107.3451	1142.265	1142.265	1094.614	1089.735	3.120316	3.041662	0
36	38	63.48763	59.39338	3740.26	1119.877	-.00001	107.3451	1140.456	1140.456	1086.851	1081.851	.418084	.347877	0
36	39	57.79962	65.38354	3740.26	1125.612	-.00001	107.3451	1139.4	1139.4	1081.724	1076.724	.227677	.227677	0
36	40	105.5502	36.29385	5610.39	1129.893	-.000015	161.0176	1139.262	1139.262	1075.269	1070.269	.502473	.502473	5
36	41	126.8403	32.51799	7480.52	1135.081	-140.1599	214.6902	1138.488	1138.488	1083.523	1078.523	.444852	.444852	5
36	42	122.98	31.22174	7480.52	1138.176	-140.1599	214.6902	1138.5	1138.5	1091.182	1086.182	.221548	.221548	0
36	43	136.3251	33.06631	7480.52	1138.774	-140.1599	214.6902	1138.5	1138.5	1095.146	1090.146	.360653	.360653	5
36	44	138.2838	32.83057	7480.52	1138.245	-105.12	214.6902	1137.71	1137.71	1096.902	1091.902	.381876	.381876	5
36	45	134.3149	34.79843	7480.52	1139.265	-70.07996	214.6902	1139.208	1139.208	1097.829	1092.829	.345242	.345242	6
36	46	154.6694	39.3249	7480.52	1140.563	-52.55996	214.6902	1141.87	1141.87	1099.014	1094.014	.350916	2.10887	6
36	47	173.594	43.51572	7480.52	1141.261	-35.03996	214.6902	1144.328	1144.328	1100.178	1095.178	.369364	3.693641	0
36	48	188.1304	47.08617	7480.52	1141.551	-35.03996	214.6902	1147.257	1147.257	1101.764	1096.764	.460071	4.600708	0
36	49	198.9196	50.508	7480.52	1141.582	-35.03996	214.6902	1148.586	1148.586	1102.179	1097.179	.531334	5.313341	0
36	50	211.0214	51.89138	7480.52	1141.37	-9.119992	214.6902	1149.103	1149.103	1101.51	1096.51	.61261	6.126101	0
36	51	209.5839	52.25589	7480.52	1141.255	-9.119992	214.6902	1149.205	1149.205	1101.464	1096.464	.592355	5.923553	0
36	52	212.9412	49.38071	7480.52	1141.112	-13.67999	214.6902	1149.496	1149.496	1101.74	1096.74	.631565	6.319034	0
36	53	191.2882	42.91109	7480.52	1140.541	-52.55998	214.6902	1148.815	1148.815	1101.34	1096.34	.470329	4.655596	0
36	54	167.4251	36.44115	7480.52	1138.6	-70.07994	214.6902	1144.561	1144.561	1100.907	1095.907	.419573	2.988687	0
36	55	131.5346	32.20039	7480.52	1134.28	-70.07994	214.6902	1138.531	1138.531	1100.24	1095.24	.409704	.424037	0
36	56	126.805	31.25793	7480.52	1128.137	-70.07994	214.6902	1128.635	1128.635	1098.004	1093.004	.41	.41	0
36	57	123.2947	30.49073	7480.52	1123.001	-70.07994	214.6902	1123.419	1123.419	1095.669	1090.669	.41	.41	0
36	58	120.6558	30.43735	7480.52	1118.382	-70.07994	214.6902	1116.381	1116.381	1093.352	1088.352	.41	.41	0
3	9	122.9496	31.07022	7480.52	1120.202	-70.07994	40000	1120.2	1119.2	1090.998	1085.998	.41	.41	12
36	60	124.8458	31.76922	7480.52	1122.602	-70.07994	214.6902	1127.831	1127.831	1089.344	1084.344	.41	.41	0
36	61	128.0306	32.3322	7480.52	1125.208	-70.07994	214.6902	1125.349	1125.349	1087.281	1082.281	.41	.41	0
36	62	129.6842	32.59118	7480.52	1126.512	-70.07994	214.6902	1133.85	1133.85	1086.101	1081.101	.41	.41	0
36	63	130.4773	32.5302	7480.52	1126.619	-70.07994	214.6902	1140.906	1140.906	1084.992	1079.992	.41	.41	0
36	64	129.7781	32.40289	7480.52	1124.903	-70.07994	40000	1124.9	1123.9	1084.023	1079.023	.41	.41	20
37	1	8261.152	2038.766	7480.52	1087.599	0	40000	1087.6	1086.6	984.8504	979.8504	38.69468	38.69468	19
37	2	7858.153	1949.659	7480.52	1087.032	0	214.6902	1087.751	1087.751	988.5882	983.5882	38.03657	38.03657	0
37	3	7644.583	1881.685	7480.52	1085.942	0	40000	1085.8	1084.8	990.545	985.545	37.96594	37.96594	16
37	4	7333.367	1815.466	7480.52	1086.856	-273.242	214.6902	1094.835	1094.835	995.2941	990.2941	37.91716	37.91716	0
37	5	7131.528	1761.416	7480.52	1087.535	-273.242	214.6902	1101.041	1101.041	998.5309	993.5309	37.71227	37.71227	0
37	6	6911.13	1697.145	7480.52	1088.098	-273.242	214.6902	1098.227	1098.227	1002.301	997.3008	37.92717	37.92717	0
37	7	6623.24	1643.792	7480.52	1088.597	-237.5998	214.6902	1094.207	1094.207	1006.527	1001.527	37.74388	37.74388	0
37	8	6503.944	1598.645	7480.52	1089.094	-237.5998	214.6902	1100.102	1100.102	1009.537	1004.537	38.18442	38.18442	0
37	9	6230.196	1758.907	7480.52	1089.617	-273.242	214.6902	1107.117	1107.117	1013.976	1008.976	38.49439	38.49439	0
37	10	7926.23	2321.375	7480.52	1090.111	-273.242	214.6902	1113.987	1113.987	1017.669	1012.669	49.94778	49.94778	0
37	11	11172.97	3847.658	7480.52	1090.524	-273.242	214.6902	1119.5	1119.5	1021.376	1016.376	72.18719	72.18719	0
37	12	21447.53	6653.496	7480.52	1090.809	-273.242	214.6902	1112.756	1112.756	1023.394	1018.394	137.7057	137.7057	0
37	13	37610.49	7723.441	7480.52	1091.005	-273.242	214.6902	1096.616	1096.616	1027.336	1022.336	241.3681	241.3681	0
37	14	33447.8	5163.575	7480.52	1091.181	-273.242	214.6902	1097.15	1097.15	1034.04	1029.04	229.3064	229.3064	0
37	15	14096.55	2162.934	7480.52	1091.425	-273.242	214.6902	1098.086	1098.086	1043.562	1038.562	119.7741	119.7741	0
37	16	4844.949	694.5596	7480.52	1092.007	-240.2998	214.6902	1102.858	1102.858	1054.901	1049.901	53.25882	53.25882	0
37	17	975.8744	226.9857	7480.52	1093.689	-160.1998	214.6902	1116.234	1116.234	1067.109	1062.109	14.35264	14.35264	0
37	18	582.8666	371.0337	5610.39	1098.427	-240.2997	161.0176	1121.842	1121.842	1072.649	1067.649	11.97324	11.97324	0
37	19	318.2416	300.2314	3740.26	1100.898	-204.9315	107.3451	1126.772	1126.772	1077.941	1072.941	10.19643	10.19643	0
37	20	271.5612	260.4334	3740.26	1103.521	-204.9315	107.3451	1130.513	1130.513	1083.469	1078.469	8.965575	8.965575	0
37	21	251.2924	239.0596	3740.26	1106.15	-204.9315	107.3451	1132.274	1132.274	1088.107	1083.107	8.823875	8.823875	0
37	22	238.1723	238.6313	3740.26	1108.594	-204.9315	107.3451	1132.68	1132.68	1093.012	1087.986	8.729465	8.72251	0
37	23	255.2648	252.5442	3740.26	1110.62	-204.9315	107.3451	1136.981	1136.981	1092.88	1087.231	8.57999	8.74473	0
37	24	262.4715	571.0914	3740.26	1112.193	-204.9315	107.3451	1133.669	1133.669	1096.704	1087.97	8.475615	8.75	0

37	25	776.2482	795.9541	3740.26	1112.713	-19.70998	107.3451	1135.76	1135.76	1099.455	1088.51	34.32442	35	0
37	26	655.4957	707.3225	3740.26	1113.099	-7.391244	107.3451	1139.475	1139.475	1103.127	1089.231	17.11502	35	0
37	27	660.7784	1471.469	3740.26	1113.516	-7.391244	107.3451	1140.883	1140.883	1102.561	1086.917	10.40231	35	0
37	28	2192.199	2345.431	3740.26	1113.704	0	107.3451	1140.907	1140.907	1095.34	1080.099	31.95392	105	0
37	29	2509.51	3491.2	3740.26	1113.924	0	107.3451	1135.708	1135.708	1086.72	1073.693	38.37764	105	0
37	30	4645.774	3490.877	3740.26	1114.059	0	107.3451	1134.112	1134.112	1092.052	1080.874	45.87886	105	0
3	31	2530.714	6360.127	3740.26	1114.193	0	107.3451	1133.093	1133.093	1099.867	1084.69	56.8964	105	0
37	32	10216.69	6457.671	3740.26	1114.261	0	107.3451	1133.859	1133.859	1105.045	1085.979	201.8026	315	0
37	33	2530.929	2485.645	3740.26	1114.328	0	107.3451	1135.278	1135.278	1108.147	1087.638	72.67152	105	0
37	34	2144.229	1606.042	3740.26	1114.512	0	107.3451	1138.549	1138.549	1105.588	1089.689	67.34508	105	0
37	35	783.2244	706.2591	3740.26	1114.809	0	107.3451	1141.993	1141.993	1099.85	1090.765	24.38003	52.7085	0
37	36	443.4987	326.1039	3740.26	1115.503	0	107.3451	1142.156	1142.156	1096.027	1090.844	15.66478	32.08257	0
37	37	140.0397	98.47198	3740.26	1116.968	-.00001	107.3451	1140.8	1140.8	1090.246	1085.246	3.07008	.543505	0
37	38	66.01752	61.89388	3740.26	1121.153	-.00001	107.3451	1139.951	1139.951	1083.092	1078.092	.441896	.441896	0
37	39	60.60434	62.78288	3740.26	1126.986	-.00001	107.3451	1138.771	1138.771	1078.591	1073.591	.26401	.26401	0
37	40	93.19887	30.59964	5610.39	1131.411	-.000015	161.0176	1138.478	1138.478	1073.718	1068.718	.363309	.363309	5
37	41	119.5937	29.9371	7480.52	1136.504	-140.1599	214.6902	1138.5	1138.5	1084.452	1079.452	.170028	.170028	5
37	42	134.2138	33.60455	7480.52	1138.715	-140.1599	214.6902	1138.5	1138.5	1092.929	1087.929	.316941	.316941	5
37	43	146.4619	35.58591	7480.52	1139.009	-140.1599	214.6902	1138.5	1138.5	1096.521	1091.521	.459839	.459839	5
37	44	148.8711	35.3191	7480.52	1138.848	-105.12	214.6902	1138.504	1138.504	1097.859	1092.859	.499832	.499832	0
37	45	142.4573	37.44765	7480.52	1139.358	-52.55996	214.6902	1138.947	1138.947	1098.749	1093.749	.445129	.445129	6
37	46	167.4313	42.74095	7480.52	1140.932	-35.03996	214.6902	1141.479	1141.479	1099.7	1094.7	.437545	2.614624	6
37	47	187.69	46.91538	7480.52	1141.767	-35.03996	214.6902	1144.553	1144.553	1100.626	1095.626	.450725	4.507247	0
37	48	205.6849	49.67633	7480.52	1142.157	-35.03996	214.6902	1146.392	1146.392	1102.158	1097.17	.522038	5.294758	0
37	49	212.7451	51.97726	7480.52	1142.242	-35.03996	214.6902	1147.87	1147.87	1102.409	1097.421	.572649	5.800863	0
37	50	213.0646	53.25994	7480.52	1142.035	-9.119992	214.6902	1148.488	1148.488	1101.43	1096.43	.625247	6.252469	0
37	51	213.9167	53.37537	7480.52	1141.928	-9.119992	214.6902	1148.812	1148.812	1101.449	1096.449	.630881	6.308807	0
37	52	213.7934	51.67664	7480.52	1141.78	-13.67999	214.6902	1148.964	1148.964	1101.392	1096.392	.631762	6.321374	0
37	53	206.2691	46.76724	7480.52	1141.284	-52.55998	214.6902	1149.008	1149.008	1101.067	1096.067	.558309	5.58309	0
37	54	181.5732	38.29877	7480.52	1139.518	-70.07994	214.6902	1145.07	1145.07	1100.521	1095.521	.488471	3.723882	0
37	55	132.6034	32.38449	7480.52	1135.428	-70.07994	214.6902	1135.562	1135.562	1099.829	1094.829	.410465	.428483	0
3	6	128.1711	31.267	7480.52	1128.44	-70.07994	214.6902	1127.663	1127.663	1097.953	1092.953	.41	.41	0
37	57	123.723	30.49692	7480.52	1122.824	-70.07994	214.6902	1121.739	1121.739	1095.799	1090.799	.41	.41	0
37	58	121.7873	30.46401	7480.52	1118.513	-70.07994	214.6902	1116.113	1116.113	1093.005	1088.005	.41	.41	0
37	59	123.3029	30.87864	7480.52	1120.203	-36.47998	40000	1120.2	1119.2	1091.082	1086.082	.41	.41	12
37	60	124.2065	31.44988	7480.52	1120.809	-36.47998	40000	1120.8	1119.8	1089.419	1084.419	.41	.41	12
37	61	127.1167	32.0965	7480.52	1124.22	-70.07994	214.6902	1125.633	1125.633	1087.894	1082.894	.41	.41	0
37	62	128.6925	32.44921	7480.52	1125.519	-70.07994	214.6902	1133.347	1133.347	1086.14	1081.14	.41	.41	0
37	63	130.1046	32.53365	7480.52	1126.194	-70.07994	214.6902	1139.522	1139.522	1084.885	1079.885	.41	.41	0
37	64	130.0108	32.48615	7480.52	1125.103	-70.07994	40000	1125.1	1124.1	1083.599	1078.599	.41	.41	20
38	1	8079.85	1991.061	7480.52	1087.308	0	40000	1087.3	1086.3	985.3713	980.3713	37.7924	37.7924	19
38	2	7773.059	1926.025	7480.52	1086.879	0	214.6902	1088.405	1088.405	989.1871	984.1871	37.7	37.7	0
38	3	7572.187	1862.802	7480.52	1086.146	0	214.6902	1085.5	1085.5	991.1457	986.1457	37.80021	37.80021	0
38	4	7269.93	1800.758	7480.52	1086.89	-273.242	214.6902	1095.748	1095.748	995.9436	990.9436	37.7	37.7	0
38	5	7085.907	1749.249	7480.52	1087.665	-273.242	214.6902	1103.151	1103.151	999.0345	994.0345	37.70368	37.70368	0
38	6	6867.849	1686.448	7480.52	1088.345	-273.242	214.6902	1099.236	1099.236	1002.903	997.9026	37.7	37.7	0
38	7	6612.479	1638.004	7480.52	1088.888	-237.5998	214.6902	1094.628	1094.628	1006.991	1001.991	37.71573	37.71573	0
38	8	6492.153	1584.89	7480.52	1089.399	-237.5998	214.6902	1099.492	1099.492	1010.039	1005.039	38.10358	38.10358	0
38	9	6179.204	1780.2	7480.52	1089.926	-273.242	214.6902	1106.277	1106.277	1013.835	1008.835	37.7784	37.7784	0
38	10	8118.339	2453.426	7480.52	1090.397	-273.242	214.6902	1114.801	1114.801	1017.878	1012.878	51.52295	51.52295	0
38	11	11772.26	4307.469	7480.52	1090.766	-273.242	214.6902	1122.786	1122.786	1021.374	1016.374	77.35785	77.35785	0
38	12	23769.1	8111.009	7480.52	1091.009	-273.242	214.6902	1126.161	1126.161	1023.321	1018.321	156.9573	156.9573	0
38	13	47384.81	10041.13	7480.52	1091.18	-273.242	214.6902	1098.409	1098.409	1026.933	1021.933	302.797	302.797	0
38	14	44674.51	6722.512	7480.52	1091.34	-273.242	214.6902	1098.87	1098.87	1033.63	1028.63	305.0086	305.0086	0
38	15	16410.69	2572.44	7480.52	1091.574	-273.242	214.6902	1099.251	1099.251	1043.65	1038.65	145.295	145.295	0
38	16	5131.667	760.6462	7480.52	1092.181	-240.2998	214.6902	1103.849	1103.849	1055.457	1050.457	60.45254	60.45254	0
3	7	929.5796	211.2717	7480.52	1093.938	-160.1998	214.6902	1119.404	1119.404	1067.887	1062.887	14.08865	14.08865	0
38	18	545.2934	335.7856	5610.39	1099.146	-240.2997	161.0176	1122.465	1122.465	1072.696	1067.696	10.21599	10.21599	0
38	19	305.6443	289.5714	3740.26	1101.859	-204.9315	107.3451	1128.592	1128.592	1078.468	1073.468	9.216855	9.216855	0
38	20	273.0364	262.4203	3740.26	1104.589	-204.9315	107.3451	1130.579	1130.579	1084.174	1079.174	8.90842	8.90842	0

38	21	252.3714	250.4052	3740.26	1107.163	-204.9315	107.3451	1135.605	1135.605	1088.854	1083.802	8.784905	8.778785	0
38	22	256.2652	254.8059	3740.26	1109.422	-204.9315	107.3451	1137.828	1137.828	1090.111	1086.195	8.63099	8.739935	0
38	23	268.1802	265.1921	3740.26	1111.213	-204.9315	107.3451	1138.531	1138.531	1092.026	1086.173	8.458005	8.74925	0
38	24	244.152	467.6282	3740.26	1112.621	-204.9315	107.3451	1137.677	1137.677	1096.63	1086.897	8.528235	8.75	0
38	25	615.0302	635.7899	3740.26	1113.17	-19.70998	107.3451	1138.148	1138.148	1099.048	1087.956	16.26497	35	0
[illegible]	6	595.3643	608.9517	3740.26	1113.574	-3.847497	107.3451	1138.67	1138.67	1103.722	1088.606	2.892322	35	0
38	27	595.9197	1381.509	3740.26	1113.972	-3.847497	107.3451	1138.795	1138.795	1104.535	1089.187	2.856526	35	0
38	28	1968.19	2356.278	3740.26	1114.157	0	107.3451	1138.767	1138.767	1105.76	1088.548	35.1389	105	0
38	29	2334.309	3664.084	3740.26	1114.317	0	107.3451	1137.233	1137.233	1108.76	1086.835	38.07948	105	0
38	30	4802.127	3685.61	3740.26	1114.43	0	107.3451	1134.97	1134.97	1106.084	1087.141	44.21512	105	0
38	31	2426.308	6387.275	3740.26	1114.525	0	107.3451	1133.699	1133.699	1106.318	1086.015	51.78808	105	0
38	32	9242.039	6289.947	3740.26	1114.573	0	107.3451	1133.256	1133.256	1107.346	1086.692	174.1	315	0
38	33	2193.914	2189.514	3740.26	1114.642	0	107.3451	1132.644	1132.644	1109.32	1089.798	58.4628	105	0
38	34	1786.332	1321.411	3740.26	1114.858	0	107.3451	1137.276	1137.276	1105.095	1091.679	52.30226	105	0
38	35	599.5411	520.464	3740.26	1115.241	0	107.3451	1140.755	1140.755	1097.304	1092.174	20.22754	51.09051	0
38	36	357.7817	257.4345	3740.26	1116.243	0	107.3451	1141.86	1141.86	1094.225	1089.231	13.25299	5.352621	0
38	37	148.3031	107.5852	3740.26	1118.215	-.00001	107.3451	1139.862	1139.862	1085.001	1080.001	2.951468	.737867	0
38	38	68.00826	64.72798	3740.26	1122.475	-.00001	107.3451	1138.644	1138.644	1079.643	1074.643	.462442	.462442	4
38	39	63.87085	59.95404	3740.26	1128.359	-.00001	107.3451	1138.471	1138.471	1078.054	1073.054	.316602	.316602	0
38	40	91.67435	30.36507	5610.39	1132.932	-.000015	161.0176	1138.5	1138.5	1079.218	1074.218	.215707	.215707	0
38	41	154.144	33.51478	7480.52	1137.591	-140.1599	214.6902	1138.5	1138.5	1089.572	1084.572	.313946	.313946	5
38	42	169.9273	36.56438	7480.52	1138.926	-140.1599	214.6902	1138.5	1138.5	1096.404	1091.404	.455721	.455721	5
38	43	177.2578	38.24734	7480.52	1139.124	-140.1599	214.6902	1138.5	1138.5	1098.507	1093.507	.591197	.591197	0
38	44	164.1472	37.51299	7480.52	1139.039	-78.83992	214.6902	1138.5	1138.5	1099.249	1094.249	.621279	.614215	0
38	45	155.8367	40.02449	7480.52	1139.409	-35.03996	214.6902	1138.697	1138.697	1099.765	1094.765	.541874	.457049	0
38	46	185.7685	46.03938	7480.52	1141.201	-35.03996	214.6902	1141.115	1141.115	1100.531	1095.531	.52066	3.278552	6
38	47	203.8523	51.42835	7480.52	1142.141	-35.03996	214.6902	1142.106	1142.106	1101.324	1096.302	.528757	5.161501	0
38	48	225.6984	54.93118	7480.52	1142.609	-35.03996	214.6902	1145.529	1145.529	1101.853	1097.144	.576493	7.493715	0
38	49	229.5875	54.47517	7480.52	1142.763	-35.03996	214.6902	1146.913	1146.913	1101.949	1097.241	.605006	7.778843	0
38	50	217.0643	53.48537	7480.52	1142.626	-9.119992	214.6902	1148.173	1148.173	1101.704	1096.704	.627483	6.274834	0
[illegible]	51	214.6883	53.55214	7480.52	1142.556	-9.119992	214.6902	1148.652	1148.652	1101.55	1096.55	.631866	6.318661	0
38	52	214.528	53.33899	7480.52	1142.464	-26.27998	214.6902	1148.501	1148.501	1101.818	1096.818	.632102	6.321023	0
38	53	213.6826	50.19334	7480.52	1141.995	-52.55998	214.6902	1149.28	1149.28	1101.052	1096.052	.624103	6.241029	0
38	54	194.957	40.24538	7480.52	1140.388	-70.07994	214.6902	1145.579	1145.579	1100.38	1095.38	.574636	4.40561	0
38	55	148.8689	32.80913	7480.52	1136.563	-70.07994	214.6902	1136.487	1136.487	1099.432	1094.432	.410077	.415658	0
38	56	137.0949	31.70652	7480.52	1129.1	-70.07994	214.6902	1127.54	1127.54	1097.574	1092.574	.434231	.434231	0
38	57	126.9024	30.88065	7480.52	1123.609	-70.07994	214.6902	1122.189	1122.189	1095.435	1090.435	.413992	.413992	0
38	58	123.331	30.80854	7480.52	1120.797	-36.47998	214.6902	1122.582	1122.582	1092.645	1087.645	.41	.41	0
38	59	123.9142	30.99871	7480.52	1120.97	-36.47998	214.6902	1124.008	1124.008	1090.807	1085.807	.41	.41	0
38	60	124.3789	31.38095	7480.52	1121.002	-36.47998	40000	1121	1120	1089.262	1084.262	.41	.41	12
38	61	126.2066	31.85582	7480.52	1123.19	-70.07994	214.6902	1129.116	1129.116	1087.713	1082.713	.41	.41	0
38	62	127.2359	32.25007	7480.52	1124.127	-70.07994	214.6902	1132.595	1132.595	1086.169	1081.169	.41	.41	0
38	63	129.5995	32.49519	7480.52	1125.671	-70.07994	214.6902	1137.442	1137.442	1084.913	1079.913	.41	.41	0
38	64	130.0165	32.51923	7480.52	1125.302	-70.07994	40000	1125.3	1124.3	1083.676	1078.676	.41	.41	20
39	1	8034.147	1972.166	7480.52	1087.159	0	40000	1087.1	1086.1	986.0723	981.0723	37.5892	37.5892	19
39	2	7734.514	1910.287	7480.52	1086.794	0	214.6902	1089.24	1089.24	989.6907	984.6907	37.7	37.7	0
39	3	7520.996	1847.727	7480.52	1086.002	0	40000	1085.9	1084.9	991.8243	986.8243	37.7	37.7	16
39	4	7234.421	1788.201	7480.52	1086.885	-273.242	214.6902	1096.355	1096.355	996.456	991.456	37.7	37.7	0
39	5	7058.266	1739.19	7480.52	1087.787	-273.242	214.6902	1103.718	1103.718	999.9698	994.9698	37.70001	37.70001	0
39	6	6860.809	1683.635	7480.52	1088.594	-273.242	214.6902	1101.06	1101.06	1003.404	998.4037	37.7	37.7	0
39	7	6593.801	1638.154	7480.52	1089.154	-237.5998	214.6902	1097.561	1097.561	1007.272	1002.272	37.7	37.7	0
39	8	6487.251	1582.949	7480.52	1089.669	-237.5998	214.6902	1102.009	1102.009	1010.442	1005.442	38.19198	38.19198	0
39	9	6250.07	1794.186	7480.52	1090.192	-273.242	214.6902	1104.354	1104.354	1014.691	1009.691	37.92604	37.92604	0
39	10	8160.425	2519.223	7480.52	1090.634	-273.242	214.6902	1116.702	1116.702	1018.075	1013.075	52.34903	52.34903	0
39	11	11766.69	4577.871	7480.52	1090.959	-273.242	214.6902	1126.09	1126.09	1021.424	1016.424	79.85189	79.85189	0
[illegible]	12	23517.72	9677.469	7480.52	1091.165	-273.242	214.6902	1128.847	1128.847	1023.5	1018.5	169.1814	169.1814	0
39	13	54080.8	12973.7	7480.52	1091.307	-273.242	214.6902	1102.907	1102.907	1026.42	1021.42	377.0215	377.0215	0
39	14	53875.29	8548.787	7480.52	1091.454	-273.242	214.6902	1098.557	1098.557	1033.05	1028.05	401.8098	401.8098	0
39	15	17028.85	2813.148	7480.52	1091.686	-273.242	214.6902	1099.996	1099.996	1043.801	1038.801	163.48	163.48	0
39	16	4940.849	754.6655	7480.52	1092.343	-240.2998	214.6902	1102.991	1102.991	1056.069	1051.069	61.27181	61.27181	0

39	[illegible]	891.9109	202.8876	7480.52	1094.279	-160.1998	214.6902	1119.692	1119.692	1067.246	1062.246	12.70394	12.70394	0
39	[illegible]	547.5029	333.3876	5610.39	1099.963	-240.2997	161.0176	1124.992	1124.992	1073.404	1068.404	10.08444	10.08444	0
39	19	305.7206	289.1093	3740.26	1102.803	-204.9315	107.3451	1128.596	1128.596	1079.345	1074.345	9.121105	9.121105	0
39	20	271.9439	262.9875	3740.26	1105.564	-204.9315	107.3451	1132.682	1132.682	1084.792	1079.792	8.818125	8.818125	0
39	[illegible]	258.2381	258.2314	3740.26	1108.059	-204.9315	107.3451	1138.253	1138.253	1089.102	1084.22	8.607325	8.61655	0
3	[illegible]	275.068	269.6395	3740.26	1110.078	-204.9315	107.3451	1138.8	1138.8	1089.278	1084.731	8.51719	8.69915	0
39	23	244.3918	247.1402	3740.26	1111.575	-19.70998	107.3451	1138.48	1138.48	1093.732	1084.884	8.43433	8.75	0
39	[illegible]	188.9023	391.554	3740.26	1112.987	-19.70998	107.3451	1138.261	1138.261	1096.12	1085.806	4.820024	8.75	0
39	[illegible]	576.1067	574.6046	3740.26	1113.719	-10.25999	107.3451	1137.58	1137.58	1100.954	1087.134	2.558438	35	0
39	26	583.7778	582.3323	3740.26	1114.11	-3.847497	107.3451	1136.448	1136.448	1103.66	1089.153	2.795732	35	0
39	27	551.4539	1182.601	3740.26	1114.44	-3.847497	107.3451	1135.82	1135.82	1105.877	1091.354	2.641902	35	0
39	3	1713.576	1946.22	3740.26	1114.593	0	107.3451	1134.719	1134.719	1108.887	1094.085	31.88328	105	0
39	[illegible]	2039.095	3472.351	3740.26	1114.714	0	107.3451	1134.354	1134.354	1112.767	1093.842	36.01612	105	0
39	30	4908.101	3542.824	3740.26	1114.8	0	107.3451	1133.666	1133.666	1111.777	1090.087	40.0349	105	0
39	1	2421.912	5281.071	3740.26	1114.865	0	107.3451	1133.701	1133.701	1108.594	1090.309	44.47192	105	0
39	2	8280.927	5146.006	3740.26	1114.9	0	107.3451	1135.41	1135.41	1107.506	1092.183	138.5603	315	0
39	33	1898.647	1790.732	3740.26	1114.979	0	107.3451	1137.303	1137.303	1110.095	1093.778	43.90572	105	0
39	34	1477.507	1064.462	3740.26	1115.247	0	107.3451	1139.379	1139.379	1104.617	1093.76	38.29622	105.6514	0
39	5	431.9359	436.8589	3740.26	1115.773	0	107.3451	1138.39	1138.39	1096.784	1093.014	15.62947	47.49627	4
39	36	331.2898	248.6503	3740.26	1117.194	0	107.3451	1138.532	1138.532	1091.967	1086.94	11.70019	1.125219	0
39	37	143.5855	108.7261	3740.26	1119.62	-136.621	107.3451	1138.521	1138.521	1083.037	1078.037	2.717344	.679336	0
39	8	69.20477	67.15112	3740.26	1124.238	-136.621	107.3451	1138.488	1138.488	1079.354	1074.354	.476989	.476989	4
39	[illegible]	66.8575	65.03305	3740.26	1130.092	-136.621	107.3451	1138.5	1138.5	1080.296	1075.296	.369928	.369928	4
39	40	103.1327	38.72906	5610.39	1134.396	-140.1599	161.0176	1138.515	1138.515	1085.844	1080.844	.346529	.274762	4
39	1	271.0965	47.50304	7480.52	1138.151	-140.1599	214.6902	1138.53	1138.53	1096.58	1091.448	.522504	3.899022	5
39	2	278.0498	50.23189	7480.52	1139.027	-140.1599	214.6902	1138.5	1138.5	1099.082	1094.421	.640329	5.335383	5
39	43	258.7957	47.10393	7480.52	1139.243	-105.12	214.6902	1138.643	1138.643	1099.314	1094.64	.717204	4.993696	0
39	44	202.7656	42.48298	7480.52	1139.332	-52.55996	214.6902	1138.701	1138.701	1100.623	1095.633	.708568	2.054649	0
39	45	189.8033	45.3818	7480.52	1139.841	-35.03996	214.6902	1139.427	1139.427	1100.995	1095.984	.613916	1.868676	0
39	46	217.8806	51.37083	7480.52	1141.508	-35.03996	214.6902	1141.512	1141.512	1101.135	1096.261	.585304	5.234495	6
3	7	229.8279	55.95932	7480.52	1142.444	-35.03996	214.6902	1144.271	1144.271	1101.688	1096.842	.589315	6.803329	0
3	8	237.2114	58.89029	7480.52	1142.934	-18.23998	214.6902	1145.82	1145.82	1101.415	1096.981	.61098	9.466937	6
39	9	234.4928	57.18777	7480.52	1143.163	-18.23998	214.6902	1147.248	1147.248	1101.396	1096.963	.624903	9.606172	0
39	50	218.0181	54.45277	7480.52	1143.147	-9.119992	214.6902	1148.386	1148.386	1101.593	1096.715	.631508	7.041587	0
39	51	215.4117	53.75194	7480.52	1143.144	-9.119992	214.6902	1148.623	1148.623	1101.68	1096.68	.632	6.32	0
39	52	215.5073	53.71366	7480.52	1143.117	-26.27998	214.6902	1149.302	1149.302	1101.659	1096.659	.632	6.320001	0
39	53	215.1561	51.96656	7480.52	1142.695	-52.55998	214.6902	1149.197	1149.197	1101.366	1096.366	.632	6.32	0
39	54	205.935	45.71109	7480.52	1141.213	-70.07994	214.6902	1146.268	1146.268	1100.781	1095.781	.613008	5.242594	0
39	55	187.7997	38.68182	7480.52	1137.825	-70.07994	214.6902	1139.887	1139.887	1099.473	1094.473	.631894	1.772214	0
39	56	153.4585	34.29282	7480.52	1131.133	-70.07994	214.6902	1130.177	1130.177	1097.507	1092.507	.515812	1.244482	0
39	57	133.9452	31.6777	7480.52	1125.534	-70.07994	214.6902	1124.693	1124.693	1095.187	1090.187	.465055	.465055	0
39	58	124.3218	31.00276	7480.52	1122.01	-36.47998	214.6902	1121.514	1121.514	1092.383	1087.383	.409593	.409593	0
39	59	124.7936	31.07456	7480.52	1121.475	-70.07994	214.6902	1121.25	1121.25	1090.634	1085.634	.41	.41	0
39	60	124.7251	31.26544	7480.52	1121.104	-70.07994	40000	1121.1	1120.1	1089.162	1084.162	.41	.41	12
39	61	125.7119	31.5048	7480.52	1121.905	-36.47998	40000	1121.9	1120.9	1087.698	1082.698	.41	.41	12
39	62	126.3099	31.95876	7480.52	1122.011	-70.07994	40000	1122	1121	1086.233	1081.233	.41	.41	13
39	63	129.057	32.40881	7480.52	1125.082	-70.07994	214.6902	1134.714	1134.714	1085.131	1080.131	.41	.41	0
39	64	129.972	32.48903	7480.52	1125.402	-70.07994	40000	1125.4	1124.4	1084.184	1079.184	.41	.41	20
40	1	8033.18	1969.999	7480.52	1087.395	0	40000	1087.4	1086.4	986.4138	981.4138	37.7	37.7	19
40	2	7704.816	1903.591	7480.52	1086.813	0	214.6902	1090.288	1090.288	990.1492	985.1492	37.7	37.7	0
40	3	7487.519	1841.128	7480.52	1085.982	0	40000	1085.9	1084.9	992.078	987.078	37.7	37.7	16
40	4	7204.286	1784.97	7480.52	1086.845	-273.242	214.6902	1096.762	1096.762	996.8452	991.8452	37.7	37.7	0
40	5	7065.117	1740.579	7480.52	1087.9	-273.242	214.6902	1104.489	1104.489	999.9984	994.9984	37.7	37.7	0
40	6	6859.033	1680.018	7480.52	1088.87	-273.242	214.6902	1103.642	1103.642	1003.619	998.6186	37.7	37.7	0
40	7	6580.337	1632.109	7480.52	1089.401	-237.5998	214.6902	1102.683	1102.683	1007.969	1002.969	37.7	37.7	0
4	[illegible]	6468.274	1601.381	7480.52	1089.904	-237.5998	214.6902	1105.714	1105.714	1010.939	1005.939	38.22215	38.22215	0
40	[illegible]	6241.756	1808.438	7480.52	1090.417	-273.242	214.6902	1111.21	1111.21	1015.031	1010.031	38.98778	38.98778	0
40	10	7976.771	2462.554	7480.52	1090.832	-273.242	214.6902	1119.073	1119.073	1018.425	1013.425	52.13959	52.13959	0
4	11	11076.84	4243.231	7480.52	1091.12	-273.242	214.6902	1127.892	1127.892	1021.559	1016.559	77.10673	77.10673	0
4	12	20316.35	9722.162	7480.52	1091.291	-273.242	214.6902	1126.894	1126.894	1024.25	1019.25	154.8752	154.8752	0

40 3 48745.91 14015.32 7480.52 1091.405 -273.242 214.6902 1102.191 1102.191 1026.322 1021.322 394.7317 394.7317 0
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8 548.9474 337.335 5610.39 1100.86 -240.2997 161.0176 1127.884 1127.884 1074.35 1069.35 10.27862 10.27862 0
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40 40 118.636 63.42265 5610.39 1135.641 -140.1599 161.0176 1138.249 1138.249 1091.907 1086.923 .445665 1.160332 0
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40 47 256.4297 60.80051 7480.52 1142.65 -18.23998 214.6902 1144.3 1144.3 1100.474 1096.345 .624099 11.41857 6
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40 60 125.1584 31.34379 7480.52 1121.8 -70.07994 214.6902 1122.069 1122.069 1089.165 1084.165 .41 .41 0
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41 1 5081.208 1964.5 7480.52 1087.748 0 40000 1087.8 1086.8 987.0037 982.0037 37.7 37.7 19
41 2 4870.918 1894.493 7480.52 1086.888 0 214.6902 1092.268 1092.268 990.5766 985.5766 37.7 37.7 0
41 3 4729.244 1831.823 7480.52 1085.974 0 40000 1085.9 1084.9 992.6888 987.6888 37.7 37.7 16
4554.593 1782.38 7480.52 1086.726 -273.242 214.6902 1096.954 1096.954 997.0995 992.0995 37.7 37.7 0
41 5 -4943.806 1740.459 7480.52 1088.002 -273.242 214.6902 1104.536 1104.536 1000.003 995.0029 37.7 37.7 0
41 6 4358.313 1679.825 7480.52 1089.224 -273.242 214.6902 1106.143 1106.143 1004.084 999.0845 37.7 37.7 0
41 7 4179.468 1630.044 7480.52 1089.623 -237.5998 214.6902 1108.546 1108.546 1008.102 1003.102 37.7 37.7 0
41 8 4100.215 1576.126 7480.52 1090.104 -237.5998 214.6902 1109.575 1109.575 1011.344 1006.344 38.176 38.176 0

42	5	-7538.227	-1886.832	7480.52	1087.881	-273.242	214.6902	1105.25	1105.25	.027	995.2271	9.42491	18.85	0
42	6	1854.163	454.6207	7480.52	1090.052	-273.242	214.6902	1107.781	1107.781	1004.39	999.3902	9.424905	18.85	0
42	7	1777.098	439.8769	7480.52	1089.889	-273.242	214.6902	1112.133	1112.133	1008.917	1003.917	9.424905	18.85	0
42	8	1741.228	425.8561	7480.52	1090.358	-273.242	214.6902	1112.491	1112.491	1011.934	1006.934	9.511525	19.02324	0
42	9	1667.927	450.667	7480.52	1090.878	-273.242	214.6902	1111.669	1111.669	1016.038	1011.038	9.42736	18.85491	0
	0	1832.344	549.3248	7480.52	1091.254	-273.242	214.6902	1121.666	1121.666	1019.543	1014.543	11.4879	22.97603	0
42	11	2157.491	789.9121	7480.52	1091.48	-273.242	214.6902	1128.598	1128.598	1022.833	1017.833	15.16918	30.33867	0
42	12	3285.138	1287.141	7480.52	1091.581	-273.242	214.6902	1127.399	1127.399	1025.783	1020.783	25.06297	50.12645	0
42	13	5184.749	1615.747	7480.52	1091.618	-273.242	214.6902	1114.088	1114.088	1030.655	1025.655	44.8157	89.6323	0
42	14	5198.095	918.3469	7480.52	1091.768	-273.242	214.6902	1101.953	1101.953	1034.393	1029.393	47.67818	95.3573	0
42	15	737.0825	153.4941	7480.52	1092.043	-273.242	214.6902	1101.003	1101.003	1045.218	1040.218	5.80052	23.2023	0
42	16	358.8627	66.59132	7480.52	1093.409	-273.242	214.6902	1118.472	1118.472	1057.475	1052.475	2.647315	10.58937	0
42	17	155.5546	37.73253	7480.52	1097.329	-273.242	214.6902	1122.992	1122.992	1070.003	1065.003	.73555	2.94223	0
42	18	110.0745	71.29841	5610.39	1103.982	-307.3972	161.0176	1122.619	1122.619	1076.593	1071.593	.604079	2.416338	0
42	19	70.4101	69.3822	3740.26	1107.141	-204.9315	107.3451	1129.596	1129.596	1082.845	1077.847	.536973	2.146883	0
42	20	71.17729	68.54453	3740.26	1109.863	-204.9315	107.3451	1136.018	1136.018	1087.256	1082.207	.5205205	2.138174	0
42	21	68.11639	67.78885	3740.26	1111.75	-105.1199	107.3451	1137.183	1137.183	1087.33	1080.926	.3047557	2.18845	0
42	22	70.20937	119.6236	3740.26	1113.528	-54.71997	107.3451	1135.285	1135.285	1089.635	1080.269	4.088832E-02	2.1875	0
42	23	175.0842	178.3549	3740.26	1114.961	-54.71997	107.3451	1135.187	1135.187	1091.821	1079.722	.842973	8.75	0
42	24	185.4062	384.9637	3740.26	1115.756	-54.71997	107.3451	1135.027	1135.027	1092.991	1079.19	.8077155	8.75	0
42	25	626.777	598.4144	3740.26	1116.034	-54.71997	107.3451	1134.49	1134.49	1092.613	1078.896	2.504212	35	0
42	26	631.3562	598.1135	3740.26	1116.098	-20.51999	107.3451	1134.533	1134.533	1095.299	1080.494	2.2876	35	0
42	27	603.5852	1238.867	3740.26	1116.066	-39.41997	107.3451	1135.475	1135.475	1099.371	1085.15	2.342032	35	0
42	28	1248.635	1965.194	3740.26	1115.951	0	107.3451	1137.886	1137.886	1102.55	1088.526	27.8144	105	0
42	29	1328.712	3325.698	3740.26	1115.93	0	107.3451	1136.386	1136.386	1104.335	1088.321	26.48396	105	0
42	30	3795.723	2479.474	3740.26	1115.941	0	107.3451	1135.465	1135.465	1104.509	1086.043	24.4265	105	0
42	31	211.4011	1788.037	3740.26	1115.855	0	107.3451	1134.991	1134.991	1102.84	1085.315	22.12384	.5	0
42	32	2839.016	1750.558	3740.26	1115.919	0	107.3451	1132.283	1132.283	1102.314	1088.186	59.16694	.5	0
42	33	168.9721	275.0144	3740.26	1115.962	0	107.3451	1133.545	1133.545	1102.458	1091.212	15.9137	.5	0
42	34	174.5279	217.909	3740.26	1116.866	0	107.3451	1135.573	1135.573	1099.093	1093.09	12.85531	.5	0
42	35	107.2884	170.8894	3740.26	1118.907	0	107.3451	1136.552	1136.552	1100.951	1095.912	5.737728	.5	0
42	36	123.4457	144.7164	3740.26	1121.706	0	107.3451	1137.404	1137.404	1097.879	1092.879	5.670684	.5	0
42	37	82.25687	84.04684	3740.26	1125.356	-78.83994	107.3451	1138.545	1138.545	1096.837	1091.837	1.810188	.5	0
42	38	64.82432	66.76935	3740.26	1130.469	-136.621	107.3451	1138.687	1138.687	1096.019	1091.019	.413376	.5	0
42	39	67.84372	70.57782	3740.26	1134.678	-78.83994	107.3451	1138.739	1138.739	1095.96	1090.96	.446165	.5	0
42	40	110.95	75.10918	5610.39	1137.56	-105.12	161.0176	1138.529	1138.529	1096.901	1092.658	.538469	.5	0
42	41	469.062	121.8773	7480.52	1139.052	-70.07996	214.6902	1138.765	1138.765	1100.57	1091.896	.703375	17.5	0
42	42	536.8163	119.4792	7480.52	1139.679	-70.07996	214.6902	1139.098	1139.098	1102.006	1091.45	.706432	17.5	0
42	43	472.9543	101.2977	7480.52	1140.287	-70.07996	214.6902	1139.854	1139.854	1100.763	1092.958	.821285	17.5	0
42	44	373.3047	90.04738	7480.52	1140.904	-52.55996	214.6902	1142.476	1142.476	1099.621	1093.426	.719476	17.51433	0
42	45	347.1813	80.29164	7480.52	1141.299	-18.23998	214.6902	1142.828	1142.828	1099.143	1093.673	.646648	17.6664	0
42	46	302.2486	70.91725	7480.52	1142.256	-18.23998	214.6902	1142.691	1142.691	1098.482	1094.335	.635722	17.15897	0
42	47	278.7198	69.30846	7480.52	1143.017	-18.23998	214.6902	1142.916	1142.916	1097.682	1094.417	.63219	17.63578	0
42	48	292.7947	69.78906	7480.52	1143.735	-18.23998	214.6902	1145.167	1145.167	1098.455	1094.754	.632	17.25192	0
42	49	280.7155	62.93484	7480.52	1144.181	-18.23998	214.6902	1146.626	1146.626	1099.124	1094.983	.632	14.38505	0
42	50	229.2448	55.7551	7480.52	1144.435	-9.119992	214.6902	1148.145	1148.145	1100.316	1095.441	.632	7.594084	0
42	51	217.6198	54.29142	7480.52	1144.683	-9.119992	214.6902	1148.729	1148.729	1101.224	1096.224	.632	6.32	0
42	52	217.3445	54.28056	7480.52	1144.917	-26.27998	214.6902	1148.701	1148.701	1101.999	1096.999	.632	6.320001	0
42	53	217.542	53.31634	7480.52	1144.816	-52.55998	214.6902	1149.338	1149.338	1101.523	1096.523	.632	6.32	0
42	54	207.9142	51.52193	7480.52	1143.825	-70.07994	214.6902	1148.538	1148.538	1100.867	1095.867	.632	5.59133	0
42	55	181.0376	45.99464	7480.52	1141.458	-70.07994	214.6902	1146.666	1146.666	1099.868	1094.868	.632	5.169249	0
42	56	164.4857	39.37786	7480.52	1137.64	-70.07994	214.6902	1137.989	1137.989	1097.779	1092.779	.632	1.690414	0
42	57	151.5311	37.05293	7480.52	1132.633	-70.07994	214.6902	1132.29	1132.29	1095.615	1090.615	.632	.632	0
42	58	147.8945	35.31431	7480.52	1128.13	-36.47998	214.6902	1128.892	1128.892	1093.007	1088.007	.631699	.631699	0
42	59	140.5112	33.26912	7480.52	1124.627	-70.07994	214.6902	1123.525	1123.525	1091.271	1086.271	.534804	.534804	0
42	60	135.2206	31.86365	7480.52	1122.418	-70.07994	214.6902	1120.811	1120.811	1089.844	1084.844	.474511	.474511	0
42	61	129.9774	31.47995	7480.52	1121.213	-70.07994	214.6902	1119.053	1119.053	1088.34	1083.34	.409439	.409439	0
42	62	127.9854	31.87491	7480.52	1122.403	-105.1199	40000	1122.4	1121.4	1087.266	1082.266	.419456	.419456	13
42	63	127.9723	32.21714	7480.52	1124.104	-140.1599	40000	1124.1	1123.1	1086.474	1081.474	.41	.41	13
42	64	129.7098	32.44025	7480.52	1126.002	-140.1599	40000	1126	1125	1085.902	1080.902	.41	.41	20

43	1	2129.543	522.2203	7480.52	1088.406	0	40000	1088.4	1087.4	988.1324	983.1324	9.424905	18.85	19
43	2	2045.793	505.1072	7480.52	1087.274	0	214.6902	1094.752	1094.752	991.4753	986.4753	9.424905	18.85	0
43	3	1987.91	489.2727	7480.52	1086.021	0	40000	1086	1085	993.1207	988.1207	9.424905	18.85	16
43	4	1919.558	475.0831	7480.52	1086.738	-273.242	214.6902	1097.252	1097.252	997.8011	992.8011	9.424905	18.85	0
43	5	1882.805	465.8159	7480.52	1087.695	-273.242	214.6902	1105.039	1105.039	1000.993	995.9929	9.424905	18.85	0
43	6	1840.846	453.1946	7480.52	1089.681	-273.242	214.6902	1108.64	1108.64	1004.834	999.8337	9.424905	18.85	0
43	7	1773.592	439.7046	7480.52	1090.203	-273.242	214.6902	1112.422	1112.422	1009.035	1004.035	9.424905	18.85	0
43	8	1707.064	426.4325	7480.52	1090.791	-273.242	214.6902	1114.322	1114.322	1012.343	1007.343	9.479095	18.95838	0
43	9	1653.645	424.4006	7480.52	1091.372	-273.242	214.6902	1117.666	1117.666	1016.976	1011.976	9.532325	19.06484	0
43	10	1602.644	448.1339	7480.52	1091.79	-273.242	214.6902	1123.694	1123.694	1020.142	1015.142	10.14886	20.29792	0
43	11	1694.796	570.7454	7480.52	1092.028	-273.242	214.6902	1128.828	1128.828	1023.671	1018.671	11.46054	22.9213	0
43	12	2283.953	830.3313	7480.52	1092.096	-273.242	214.6902	1124.765	1124.765	1027.175	1022.175	17.58652	35.17342	0
43	13	3251.965	979.9639	7480.52	1092.13	-273.242	214.6902	1123.84	1123.84	1032.022	1027.022	27.59449	55.18955	0
43	14	3108.44	565.4474	7480.52	1092.361	-273.242	214.6902	1106.276	1106.276	1035.961	1030.961	28.82895	57.65845	0
43	15	548.9126	120.4922	7480.52	1093.253	-273.242	214.6902	1112.52	1112.52	1045.996	1040.996	4.067832	16.27149	0
43	16	320.0883	62.01301	7480.52	1096.188	-273.242	214.6902	1126.806	1126.806	1057.77	1052.77	2.223208	8.892925	0
43	17	152.3114	37.84761	7480.52	1101.498	-273.242	214.6902	1122.07	1122.07	1070.793	1065.793	.6798315	2.719355	0
43	18	110.2951	72.49469	5610.39	1108.547	-307.3972	161.0176	1122.413	1122.413	1077.494	1072.494	.569457	2.27785	0
43	19	71.80443	72.20518	3740.26	1111.574	-204.9315	107.3451	1124.605	1124.605	1084.008	1079.024	.53248	2.128747	0
43	20	75.22237	70.74916	3740.26	1113.942	-204.9315	107.3451	1131.827	1131.827	1085.276	1079.162	.4793165	2.18378	0
43	21	74.27023	70.53691	3740.26	1115.485	-204.9315	107.3451	1134.568	1134.568	1089.036	1079.13	.0260916	2.1875	0
43	22	73.34146	125.67	3740.26	1116.105	-54.71997	107.3451	1134.636	1134.636	1090.65	1079.062	.052812	2.1875	0
43	23	177.6981	182.1354	3740.26	1116.51	-54.71997	107.3451	1134.463	1134.463	1091.131	1078.392	.8394895	8.75	0
43	24	190.3235	427.2194	3740.26	1116.793	-54.71997	107.3451	1134.503	1134.503	1091.396	1077.484	.7173605	8.75	0
43	25	682.4987	659.7188	3740.26	1116.865	-105.1199	107.3451	1134.522	1134.522	1092.266	1076.116	2.363908	35	0
43	26	657.895	636.8279	3740.26	1116.824	-39.41997	107.3451	1134.734	1134.734	1093.909	1078.116	2.270872	35	0
43	27	632.1231	613.3532	3740.26	1116.72	-39.41997	107.3451	1137.336	1137.336	1097.062	1081.879	2.289354	35	0
43	28	609.2601	612.1519	3740.26	1116.478	-39.41997	107.3451	1136.904	1136.904	1099.423	1084.6	2.209286	35	0
43	29	614.4636	1798.736	3740.26	1116.442	-39.41997	107.3451	1135.716	1135.716	1100.986	1085.506	2.03472	35	3
43	30	2946.23	1527.65	3740.26	1116.51	-39.41997	107.3451	1135.916	1135.916	1101.566	1085.607	1.794684	35	0
43	31	78.05583	1262.38	3740.26	1116.569	-39.41997	107.3451	1136.226	1136.226	1101.445	1086.265	1.542332	.5	0
43	32	2447.729	1257.43	3740.26	1116.671	-39.41997	107.3451	1136.761	1136.761	1101.682	1088.344	1.279108	.5	0
43	33	67.46683	68.48563	3740.26	1116.754	-39.41997	107.3451	1138.246	1138.246	1101.743	1090.71	.970552	.5	0
43	34	67.49669	63.90736	3740.26	1118.62	-59.12996	107.3451	1137.813	1137.813	1099.506	1092.544	.841818	.5	0
43	35	59.06207	59.84472	3740.26	1121.54	-59.12996	107.3451	1137.601	1137.601	1099.501	1095.042	.354073	.5	0
43	36	59.83772	60.98616	3740.26	1124.787	-39.41997	107.3451	1138.557	1138.557	1100.121	1095.109	.340965	.5	0
43	37	61.41095	63.03435	3740.26	1129.223	-78.83994	107.3451	1138.492	1138.492	1100.163	1095.163	.336938	.5	0
43	38	63.97025	65.89868	3740.26	1133.59	-136.621	107.3451	1138.935	1138.935	1099.744	1094.744	.371986	.5	0
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43	41	496.4016	129.5923	7480.52	1139.569	-70.07996	214.6902	1142.363	1142.363	1101.076	1091.49	.652898	17.5	0
43	42	565.3394	132.9634	7480.52	1140.158	-70.07996	214.6902	1142.101	1142.101	1102.632	1091.006	.663569	17.5	0
43	43	543.4258	110.2671	7480.52	1140.739	-70.07996	214.6902	1141.528	1141.528	1102.012	1091.59	.618882	17.5	6
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43	46	310.2084	74.32484	7480.52	1142.535	-18.23998	214.6902	1143.581	1143.581	1098.417	1094.021	.634067	17.5	0
43	47	301.0799	73.57015	7480.52	1143.21	-18.23998	214.6902	1142.941	1142.941	1098.089	1094.345	.632015	17.5	0
43	48	307.5816	73.58849	7480.52	1143.964	-18.23998	214.6902	1145.168	1145.168	1098.562	1094.384	.632	17.5	6
43	49	288.99	64.55524	7480.52	1144.453	-18.23998	214.6902	1146.732	1146.732	1099.296	1094.807	.632	14.58547	0
43	50	229.9382	55.96105	7480.52	1144.784	-9.119992	214.6902	1148.257	1148.257	1100.56	1095.629	.632	7.597918	0
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43	53	218.2112	53.0477	7480.52	1145.498	-52.55998	214.6902	1149.153	1149.153	1101.872	1096.872	.632	6.32	0
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43	56	166.7488	39.62634	7480.52	1139.464	-70.07994	214.6902	1140.553	1140.553	1097.714	1092.714	.632	1.340811	0
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45	5	1864.36	461.9527	7480.52	1088.148	-273.242	214.6902	1105.495	1105.495	1001.976	996.9763	9.42491	18.85	0
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45	15	329.2404	78.52269	7480.52	1096.17	-273.242	214.6902	1120.706	1120.706	1048.952	1043.952	2.143447	8.573875	0
45	16	250.3924	49.95303	7480.52	1100.38	-273.242	214.6902	1127.844	1127.844	1060.789	1055.789	1.514657	6.058685	0
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45	21	84.02169	81.93001	3740.26	1119.596	-204.9315	107.3451	1132.187	1132.187	1088.86	1079.53	.5399465	2.1875	0
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45	23	207.5548	203.4249	3740.26	1118.903	-105.1199	107.3451	1134.618	1134.618	1091.669	1077.99	.9250535	8.75	0
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45	32	2450.445	1257.182	3740.26	1118.3	-118.2599	107.3451	1141.043	1141.043	1100.536	1089.253	.816852	.5	0
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4	38	62.89735	64.57444	3740.26	1137.596	-118.2599	107.3451	1141.346	1141.346	1099.932	1095.706	.300258	.5	0
45	39	65.97027	69.79577	3740.26	1138.676	-39.41998	107.3451	1142.447	1142.447	1100.167	1094.987	.371089	.5	0
45	40	108.678	87.77458	5610.39	1139.634	-70.07996	161.0176	1142.797	1142.797	1101.107	1092.69	.526641	.5	0
4	41	566.0671	143.0867	7480.52	1140.14	-70.07996	214.6902	1145.928	1145.928	1102.774	1091.085	.659639	17.5	0
4	42	613.2406	148.0435	7480.52	1140.679	-70.07996	214.6902	1144.414	1144.414	1103.59	1090.667	.539803	17.5	0
45	43	592.8552	145.4588	7480.52	1141.243	-70.07996	214.6902	1143.724	1143.724	1103.131	1089.9	.465504	17.5	6
4	44	569.8831	110.3979	7480.52	1141.723	-27.35998	214.6902	1143.697	1143.697	1101.58	1089.464	.599278	17.5	6
4	45	325.8538	79.11095	7480.52	1142.27	-18.23998	214.6902	1145.173	1145.173	1098.686	1094.067	.627082	17.5	0
45	46	324.9714	80.87012	7480.52	1143.016	-18.23998	214.6902	1144.591	1144.591	1098.929	1094.24	.63233	17.5	0
45	47	335.0477	81.58131	7480.52	1143.724	-18.23998	214.6902	1144.559	1144.559	1098.995	1094.027	.632	17.5	0
4	48	331.4199	77.54285	7480.52	1144.389	-18.23998	214.6902	1145.77	1145.77	1099.129	1094.32	.632	17.5	0
4	49	301.8829	65.87968	7480.52	1144.936	-18.23998	214.6902	1147.237	1147.237	1099.697	1094.894	.632	14.63313	7
45	50	230.7092	56.17284	7480.52	1145.393	-9.119992	214.6902	1149.378	1149.378	1101.006	1096.042	.632	7.594084	7
4	51	218.9365	54.73908	7480.52	1145.881	-9.119992	214.6902	1149.394	1149.394	1101.355	1096.355	.632	6.32	0
4	52	219.3562	55.46114	7480.52	1146.351	-13.67999	214.6902	1148.497	1148.497	1101.561	1096.561	.632	6.320001	0

45	53	232.4877	56.09675	7480.52	1146.69	-52.55998	214.6902	1148.599	1148.599	1101.596	1096.714	.632	6.975712	0
45	54	232.3196	55.26064	7480.52	1146.33	-70.07994	214.6902	1148.47	1148.47	1101.397	1096.514	.632	6.975712	0
45	55	218.6301	49.44359	7480.52	1144.969	-70.07994	214.6902	1148.479	1148.479	1100.975	1095.975	.632	6.312289	0
45	56	178.3496	41.83031	7480.52	1142.408	-70.07994	214.6902	1143.664	1143.664	1098.551	1093.551	.632	2.419084	0
45	57	157.6175	38.73634	7480.52	1138.525	-70.07994	214.6902	1138.749	1138.749	1096.192	1091.192	.632	.632	0
4	8	153.9648	38.09093	7480.52	1133.473	-70.07994	214.6902	1132.125	1132.125	1093.326	1088.326	.632	.632	0
45	59	152.6922	37.81447	7480.52	1131.659	-105.1199	214.6902	1131.388	1131.388	1092.027	1087.027	.632	.632	0
45	60	151.8139	37.47135	7480.52	1130.122	-140.1599	214.6902	1129.976	1129.976	1090.929	1085.929	.632	.632	0
45	61	150.248	36.22114	7480.52	1128.079	-140.1599	214.6902	1128.687	1128.687	1089.96	1084.96	.632407	.632407	0
45	62	144.1363	35.11922	7480.52	1123.021	-72.9599	40000	1123	1122	1089.132	1084.132	.599317	.599317	13
45	63	142.651	34.17027	7480.52	1125.101	-72.9599	40000	1125.1	1124.1	1088.632	1083.632	.558008	.558008	13
45	64	140.6546	33.28924	7480.52	1126.6	-72.9599	40000	1126.6	1125.6	1088.324	1083.324	.454762	.454762	20
46	1	2117.742	519.0522	7480.52	1089.78	0	40000	1089.8	1088.8	990.1404	985.1404	9.424905	18.85	19
46	2	2035.011	497.4442	7480.52	1088.167	0	214.6902	1108.917	1108.917	993.161	988.161	9.424905	18.85	0
46	3	1945.804	480.6774	7480.52	1086.04	0	40000	1086	1085	995.6937	990.6937	9.424905	18.85	16
46	4	1893.823	469.6759	7480.52	1087.087	-273.242	214.6902	1102.917	1102.917	999.3347	994.3347	9.424905	18.85	0
46	5	1851.22	459.0596	7480.52	1088.055	-273.242	214.6902	1105.487	1105.487	1002.53	997.53	9.424905	18.85	0
46	6	1766.165	446.4026	7480.52	1089.23	-273.242	214.6902	1106.692	1106.692	1006.134	1001.134	9.424905	18.85	0
46	7	1728.03	407.2045	7480.52	1090.288	-273.242	214.6902	1108	1108	1010.046	1005.046	9.39822	18.79663	0
46	8	1440.272	345.6189	7480.52	1091.266	-273.242	214.6902	1114.122	1114.122	1013.793	1008.793	8.21998	16.44012	0
46	9	1153.527	293.617	7480.52	1092.207	-273.242	214.6902	1122.361	1122.361	1018.335	1013.335	7.15417	14.30849	0
46	10	1030.747	260.1028	7480.52	1093.04	-273.242	214.6902	1123.115	1123.115	1022.224	1017.224	6.30127	12.60267	0
46	11	936.2871	260.7166	7480.52	1093.706	-273.242	214.6902	1123.87	1123.87	1026.168	1021.168	5.9883	11.97672	0
46	12	943.9766	270.9272	7480.52	1094.137	-273.242	214.6902	1117.724	1117.724	1031.779	1026.779	7.04392	14.08799	0
46	13	942.0389	264.3851	7480.52	1094.559	-273.242	214.6902	1115.352	1115.352	1038.531	1033.531	7.611355	15.22286	0
46	14	908.7074	166.2663	7480.52	1095.393	-273.242	214.6902	1115.026	1115.026	1042.753	1037.753	7.6821	15.36435	0
46	15	272.2709	66.38552	7480.52	1097.646	-273.242	214.6902	1122.398	1122.398	1051.707	1046.707	1.627527	6.51017	0
46	16	189.9939	41.55762	7480.52	1101.585	-105.1199	214.6902	1129.908	1129.908	1063.052	1058.052	1.32268	5.290775	0
46	17	94.45503	24.73208	7480.52	1107.386	-70.07994	214.6902	1132.269	1132.269	1075.283	1070.283	.0586759	.2347059	0
46	18	74.57151	60.55519	5610.39	1114.992	-70.07994	161.0176	1132.372	1132.372	1081.231	1076.231	.1172293	.4689223	0
4	19	67.55084	72.01997	3740.26	1118.166	-136.621	107.3451	1129.558	1129.558	1086.884	1081.877	.4445148	1.776783	0
4	20	73.66797	79.78659	3740.26	1119.848	-136.621	107.3451	1126.123	1126.123	1087.398	1082.451	.52801	2.180912	0
4	21	85.76535	88.96828	3740.26	1120.476	-204.9315	107.3451	1127.376	1127.376	1090.46	1080.048	.5311285	2.1875	0
46	22	91.80093	158.7223	3740.26	1120.21	-204.9315	107.3451	1130.215	1130.215	1092.216	1077.209	.520109	2.1875	0
46	23	221.2505	215.6814	3740.26	1119.514	-105.1199	107.3451	1130.882	1130.882	1093.424	1076.97	1.337541	8.75	0
4	24	206.9529	416.5535	3740.26	1119.074	-105.1199	107.3451	1133.747	1133.747	1092.737	1076.257	.657004	8.75	0
46	25	464.7802	618.6436	3740.26	1118.775	-105.1199	107.3451	1134.458	1134.458	1091.994	1077.089	2.19945	35	0
46	26	462.5016	583.3528	3740.26	1118.671	-70.07994	107.3451	1134.447	1134.447	1092.299	1077.815	2.214538	35	0
4	27	410.1718	542.5867	3740.26	1118.617	-70.07994	107.3451	1134.458	1134.458	1094.051	1081.031	2.176422	35	0
4	28	397.0134	522.9478	3740.26	1118.58	-70.07994	107.3451	1135.107	1135.107	1095.495	1083.037	2.0222	35	0
46	29	388.5345	1679.275	3740.26	1118.5	-105.1199	107.3451	1137.089	1137.089	1096.964	1084.551	1.61133	35	0
4	30	1550.264	1456.684	3740.26	1118.43	-105.1199	107.3451	1139.011	1139.011	1098.021	1085.993	1.259504	35	0
4	31	66.87036	1260.895	3740.26	1118.728	-105.1199	107.3451	1142.014	1142.014	1098.934	1087.487	.891032	.5	0
46	32	1255.541	1257.599	3740.26	1118.962	-204.9315	107.3451	1142.467	1142.467	1099.986	1089.413	.71527	.5	0
46	33	62.61942	64.8461	3740.26	1119.581	-204.9315	107.3451	1142.464	1142.464	1101.64	1091.425	.604002	.5	0
4	34	62.90343	62.06927	3740.26	1125.948	-136.621	107.3451	1142.483	1142.483	1103.296	1093.155	.490142	.5	0
46	35	59.73911	59.16093	3740.26	1130.496	-136.621	107.3451	1142.394	1142.394	1103.129	1094.799	.201889	.5	0
46	36	60.01737	60.1285	3740.26	1133.967	-136.621	107.3451	1142.236	1142.236	1102.186	1095.56	.205847	.5	0
4	37	61.64526	61.90383	3740.26	1136.656	-136.621	107.3451	1140.878	1140.878	1101.439	1095.77	.243849	.5	0
4	38	63.65211	64.29318	3740.26	1138.35	-136.621	107.3451	1141.017	1141.017	1101.832	1095.707	.282405	.5	0
46	39	65.66943	68.62647	3740.26	1139.059	-70.07996	107.3451	1143.45	1143.45	1101.942	1094.778	.345607	.5	0
4	40	106.422	89.96819	5610.39	1139.669	-70.07996	161.0176	1143.927	1143.927	1102.496	1093.045	.480894	.5	0
4	41	571.3687	151.7402	7480.52	1140.145	-70.07996	214.6902	1147.151	1147.151	1103.687	1091.214	.589745	17.5	0
46	42	652.6471	153.4805	7480.52	1140.735	-70.07996	214.6902	1144.712	1144.712	1104.729	1090.391	.536921	17.5	0
46	43	582.7465	145.2257	7480.52	1141.346	-70.07996	214.6902	1144.54	1144.54	1103.176	1090.002	.430892	17.5	0
4	44	582.618	113.5363	7480.52	1141.857	-27.35998	214.6902	1144.517	1144.517	1101.983	1089.342	.407049	17.5	6
46	45	363.6133	83.59535	7480.52	1142.441	-18.23998	214.6902	1144.481	1144.481	1100.431	1095.109	.619557	17.5	0
46	46	351.4581	84.13464	7480.52	1143.176	-18.23998	214.6902	1144.483	1144.483	1099.646	1094.556	.632087	17.5	0
4	47	339.2446	85.03558	7480.52	1143.891	-18.23998	214.6902	1144.677	1144.677	1099.34	1094.003	.632	17.5	7
4	48	347.1891	80.78284	7480.52	1144.564	-18.23998	214.6902	1146.145	1146.145	1099.448	1094.205	.632	17.5	0

46	49	314.0787	67.26833	7480.52	1145.141	-18.23998	214.6902	1147.713	1147.713	1099.996	1094.796	.632	14.58547	7
46	50	231.876	56.23857	7480.52	1145.656	-9.119992	214.6902	1150.014	1150.014	1101.032	1095.975	.632	7.442309	7
46	51	220.9718	54.83408	7480.52	1146.208	-9.119992	214.6902	1149.749	1149.749	1101.396	1096.396	.632	6.32	0
46	52	220.0706	57.49982	7480.52	1146.736	-13.67999	214.6902	1148.496	1148.496	1101.95	1096.955	.632	6.348475	0
46	53	243.7346	60.10508	7480.52	1147.168	-52.55998	214.6902	1148.632	1148.632	1100.766	1096.283	.632	9.208746	0
46	54	243.7226	57.47678	7480.52	1146.954	-70.07994	214.6902	1148.278	1148.278	1100.52	1096.037	.632	9.208746	0
46	55	219.6829	49.80133	7480.52	1145.822	-70.07994	214.6902	1147.94	1147.94	1100.806	1095.819	.632	6.36508	0
46	56	179.5488	42.16146	7480.52	1143.504	-70.07994	214.6902	1143.732	1143.732	1098.713	1093.713	.632	2.421369	0
46	57	159.1255	39.15924	7480.52	1139.852	-70.07994	214.6902	1139.503	1139.503	1096.547	1091.547	.632	.632	0
46	58	156.0196	38.57333	7480.52	1135.505	-105.1199	214.6902	1134.522	1134.522	1093.994	1088.994	.632	.632	0
46	59	154.5375	38.31205	7480.52	1133.382	-140.1599	214.6902	1132.498	1132.498	1092.412	1087.412	.632	.632	0
46	60	153.9033	38.04413	7480.52	1132.044	-140.1599	214.6902	1131.399	1131.399	1091.287	1086.287	.632	.632	0
46	61	152.7306	37.37495	7480.52	1130.351	-140.1599	214.6902	1130.004	1130.004	1090.413	1085.413	.632	.632	0
46	62	148.7855	36.5776	7480.52	1126.662	-72.9599	214.6902	1126.959	1126.959	1089.704	1084.704	.633343	.633343	0
46	63	145.6194	36.65612	7480.52	1125.304	-72.9599	40000	1125.3	1124.3	1089.249	1084.249	.620042	.620042	13
46	64	148.0695	37.03806	7480.52	1126.8	-72.9599	40000	1126.8	1125.8	1089.075	1084.075	.632424	.632424	20
47	1	2121.487	519.136	7480.52	1090.114	0	40000	1090.1	1089.1	990.6454	985.6454	9.424905	18.85	19
47	2	2039.722	497.7597	7480.52	1088.597	0	214.6902	1113.477	1113.477	993.4007	988.4007	9.424905	18.85	0
47	3	1943.643	479.2295	7480.52	1086.05	0	40000	1086	1085	995.7677	990.7677	9.424905	18.85	16
47	4	1861.721	466.5849	7480.52	1086.947	-273.242	214.6902	1103.329	1103.329	999.757	994.757	9.424905	18.85	0
47	5	1829.4	445.2867	7480.52	1087.767	-273.242	214.6902	1105.321	1105.321	1002.997	997.9971	9.423435	18.84706	0
47	6	1600.536	427.1461	7480.52	1088.923	-273.242	214.6902	1105.15	1105.15	1006.672	1001.672	8.99042	17.98102	0
47	7	1437.969	384.871	7480.52	1090.083	-273.242	214.6902	1105.908	1105.908	1010.787	1005.787	9.170285	18.34075	0
47	8	1223.145	302.831	7480.52	1091.163	-273.242	214.6902	1113.24	1113.24	1014.339	1009.339	7.586295	15.17274	0
47	9	972.9269	252.4516	7480.52	1092.233	-273.242	214.6902	1123.555	1123.555	1019.509	1014.509	5.90973	11.81958	0
47	10	899.8218	231.6557	7480.52	1093.223	-273.242	214.6902	1120.031	1120.031	1023.312	1018.312	5.697125	11.39436	0
47	11	803.5587	209.3493	7480.52	1094.084	-273.242	214.6902	1116.543	1116.543	1027.904	1022.904	5.3022	10.6045	0
47	12	734.3729	200.5768	7480.52	1094.792	-273.242	214.6902	1118.494	1118.494	1034.423	1029.423	5.16842	10.33694	0
47	13	702.3014	198.3015	7480.52	1095.517	-273.242	214.6902	1107.857	1107.857	1042.21	1037.21	5.77853	11.55718	0
47	14	673.0119	128.9783	7480.52	1096.558	-273.242	214.6902	1118.154	1118.154	1046.52	1041.52	5.863805	11.72773	0
47	15	188.5746	49.1807	7480.52	1098.842	-273.242	214.6902	1126.159	1126.159	1054.864	1049.864	1.342164	5.36871	0
47	16	119.7958	29.55462	7480.52	1102.726	-105.1199	214.6902	1130.965	1130.965	1065.494	1060.494	.504538	2.018172	0
47	17	97.77937	23.73885	7480.52	1108.995	-70.07994	214.6902	1134.389	1134.389	1076.821	1071.821	5.281715E-02	.2112707	0
47	18	74.74617	56.71	5610.39	1115.907	-70.07994	161.0176	1133.98	1133.98	1082.489	1077.489	3.827138E-02	.1530871	0
47	19	72.8839	69.19885	3740.26	1118.701	-136.621	107.3451	1131.639	1131.639	1088.173	1083.168	.37299	1.488456	0
47	20	89.58434	79.64672	3740.26	1120.11	-136.621	107.3451	1129.606	1129.606	1087.294	1083.432	.528279	2.184467	0
47	21	98.88015	88.59801	3740.26	1120.604	-204.9315	107.3451	1129.905	1129.905	1090.75	1079.169	.510418	2.1875	0
47	22	91.41586	154.3292	3740.26	1120.317	-204.9315	107.3451	1131.699	1131.699	1092.536	1077.96	.4657643	2.1875	0
47	23	230.0598	212.5221	3740.26	1119.697	-54.71997	107.3451	1135.06	1135.06	1094.413	1077.511	.9685035	8.75	0
47	24	249.5036	255.1796	3740.26	1119.462	-105.1199	107.3451	1135.063	1135.063	1095.605	1078.995	.6561705	8.75	0
47	25	304.0489	308.6382	3740.26	1119.24	-105.1199	107.3451	1135.211	1135.211	1095.843	1082.631	1.085913	17.5	0
47	26	314.8319	289.3207	3740.26	1119.204	-70.07994	107.3451	1135.438	1135.438	1096.437	1082.6	1.098032	17.5	0
47	27	290.8605	264.5985	3740.26	1119.251	-70.07994	107.3451	1135.159	1135.159	1094.18	1083.001	.888302	17.5	0
47	28	286.3442	262.6002	3740.26	1119.317	-70.07994	107.3451	1137.666	1137.666	1095.125	1083.86	.839191	17.5	0
47	29	278.5821	259.524	3740.26	1119.321	-105.1199	107.3451	1141.247	1141.247	1096.274	1085.025	.721375	17.5	0
47	30	273.1101	160.4505	3740.26	1119.018	-105.1199	107.3451	1144.001	1144.001	1097.601	1086.285	.595289	17.5	0
47	31	153.5328	61.51685	3740.26	1120.348	-105.1199	107.3451	1144.253	1144.253	1098.503	1087.624	.428109	.5	0
47	32	144.9616	60.56155	3740.26	1119.755	-204.9315	107.3451	1144.236	1144.236	1099.54	1089.407	.355722	.5	0
47	33	144.317	60.67675	3740.26	1124.191	-204.9315	107.3451	1144.17	1144.17	1101.016	1091.155	.311148	.5	0
47	34	76.38857	60.57327	3740.26	1127.911	-136.621	107.3451	1144.17	1144.17	1103.374	1092.708	.263462	.5	0
47	35	75.75055	60.59554	3740.26	1131.418	-136.621	107.3451	1144.278	1144.278	1103.507	1093.692	.232757	.5	0
47	36	79.1928	61.53413	3740.26	1134.238	-104	107.3451	1143.278	1143.278	1102.87	1095.159	.238238	.5	0
47	37	78.49995	63.39355	3740.26	1136.633	-136.621	107.3451	1143.242	1143.242	1102.806	1095.493	.273373	.5	0
47	38	146.1534	65.02836	3740.26	1137.882	-136.621	107.3451	1144.188	1144.188	1103.246	1095.334	.31919	.5	0
47	39	159.6404	67.99094	3740.26	1138.433	-70.07996	107.3451	1144.587	1144.587	1103.214	1094.699	.343092	.5	0
47	0	254.6252	88.34798	5610.39	1139.039	-70.07996	161.0176	1146.252	1146.252	1103.571	1092.86	.453979	.5	0
47	41	561.0963	154.2637	7480.52	1139.945	-70.07996	214.6902	1147.384	1147.384	1104.426	1092.143	.544331	17.5	0
47	42	620.2946	155.3679	7480.52	1140.673	-70.07996	214.6902	1146.208	1146.208	1105.379	1090.165	.550817	17.5	0
47	43	596.6965	146.1154	7480.52	1141.365	-70.07996	214.6902	1144.469	1144.469	1102.726	1089.971	.412734	17.5	0
47	44	597.1856	123.0215	7480.52	1141.955	-52.55996	214.6902	1144.501	1144.501	1102.615	1089.305	.404957	17.5	0

47	45	483.0045	95.17252	7480.52	1142.557	-18.23998	214.6902	1144.459	1144.459	1101.872	1094.953	.60604	17.5	0
47	46	405.6329	88.54103	7480.52	1143.275	-18.23998	214.6902	1144.417	1144.417	1100.241	1093.92	.601235	17.5	6
47	47	329.6785	86.57286	7480.52	1144.011	-18.23998	214.6902	1144.405	1144.405	1099.226	1094.02	.632	17.5	7
47	48	364.3725	84.53413	7480.52	1144.71	-18.23998	214.6902	1146.983	1146.983	1099.766	1094.041	.632	17.5	7
47	49	336.1418	69.22037	7480.52	1145.319	-18.23998	214.6902	1148.597	1148.597	1100.338	1094.669	.632	14.58613	7
47	50	258.3188	56.9734	7480.52	1145.893	-9.119992	214.6902	1150.239	1150.239	1101.266	1096.179	.632	7.604457	7
47	51	239.5854	55.42653	7480.52	1146.502	-9.119992	214.6902	1150.172	1150.172	1101.28	1096.351	.632	6.735006	0
47	52	220.3313	58.45149	7480.52	1147.078	-13.67999	214.6902	1150.231	1150.231	1101.057	1096.059	.632	6.330936	7
47	53	240.0671	61.75923	7480.52	1147.563	-52.55998	214.6902	1148.739	1148.739	1100.544	1096.204	.632	10.18269	0
47	54	239.5042	58.3746	7480.52	1147.477	-70.07994	214.6902	1147.887	1147.887	1100.345	1096.006	.632	10.18269	0
47	55	219.9395	50.00661	7480.52	1146.582	-70.07994	214.6902	1146.616	1146.616	1100.796	1095.796	.632	6.303747	0
47	56	180.9243	42.50711	7480.52	1144.416	-70.07994	214.6902	1143.804	1143.804	1098.742	1093.742	.632	2.42101	0
47	57	161.1334	39.62701	7480.52	1141.297	-105.1199	214.6902	1140.351	1140.351	1096.771	1091.771	.632	.632	0
47	58	158.6088	39.06595	7480.52	1137.625	-140.1599	214.6902	1136.236	1136.236	1094.676	1089.676	.632	.632	0
47	59	156.5854	38.79816	7480.52	1135.207	-140.1599	214.6902	1133.738	1133.738	1092.969	1087.969	.632	.632	0
47	60	155.9464	38.61433	7480.52	1134.014	-140.1599	214.6902	1133.111	1133.111	1091.807	1086.807	.632	.632	0
47	61	154.6357	38.00407	7480.52	1132.638	-140.1599	214.6902	1134.808	1134.808	1090.864	1085.864	.632	.632	0
47	62	151.8628	37.02364	7480.52	1129.108	-72.9599	214.6902	1128.987	1128.987	1090.243	1085.243	.632	.632	0
47	63	148.3593	36.76612	7480.52	1125.514	-72.9599	40000	1125.5	1124.5	1089.488	1084.488	.632	.632	13
47	64	148.9325	36.9967	7480.52	1126.899	-72.9599	40000	1126.9	1125.9	1089.391	1084.391	.632142	.632142	20
48	1	2524.166	781.7494	11220.78	1091.078	0	60000	1091.1	1090.1	991.0616	986.0616	9.424905	18.85	19
48	2	2422.344	747.1222	11220.78	1089.262	0	322.0352	1121.89	1121.89	993.7697	988.7697	9.424905	18.85	0
48	3	2255.383	708.1671	11220.78	1086.208	0	60000	1086.1	1085.1	996.1014	991.1014	9.424905	18.85	16
48	4	1918.753	684.293	11220.78	1086.684	-409.863	322.0352	1104.335	1104.335	1000.311	995.3111	9.22457	18.44933	0
48	5	1540.688	618.296	11220.78	1087.254	-409.863	322.0352	1098.478	1098.478	1003.977	998.9771	9.41483	18.82985	0
48	6	1462.804	498.7203	11220.78	1088.425	-409.863	322.0352	1101.578	1101.578	1007.802	1002.802	7.85053	15.70122	0
48	7	1211.459	420.6109	11220.78	1089.702	-409.863	322.0352	1105.543	1105.543	1011.765	1006.765	6.341895	12.68392	0
48	8	1098.508	369.2803	11220.78	1090.892	-409.863	322.0352	1109.409	1109.409	1016.004	1011.004	5.90693	11.81398	0
48	9	915.5973	323.6033	11220.78	1092.059	-409.863	322.0352	1111.584	1111.584	1020.821	1015.821	5.156515	10.31313	0
48	10	847.6771	291.2841	11220.78	1093.185	-409.863	322.0352	1111.524	1111.524	1025.663	1020.663	4.870811	9.74172	0
48	11	761.8233	262.7004	11220.78	1094.249	-409.863	322.0352	1107.739	1107.739	1030.876	1025.876	4.50585	9.01179	0
4	2	668.5737	237.8877	11220.78	1095.265	-409.863	322.0352	1107.863	1107.863	1038.563	1033.563	4.477464	8.955015	0
48	13	569.3442	218.2902	11220.78	1096.326	-409.863	322.0352	1116.571	1116.571	1048.509	1043.509	4.509558	9.019205	0
48	14	534.0407	129.6275	11220.78	1097.593	-409.863	322.0352	1113.865	1113.865	1053.788	1048.788	4.519882	9.039855	0
48	15	338.8551	41.86787	11220.78	1099.67	-140.1599	322.0352	1125.206	1125.206	1061.887	1056.887	.3718275	1.487324	0
48	16	65.96353	37.25878	11220.78	1103.706	-105.1199	322.0352	1129.962	1129.962	1070.948	1065.948	.105508	.4220363	0
48	17	67.271	38.43208	11220.78	1110.048	-105.1199	322.0352	1135.625	1135.625	1081.004	1076.004	.105624	.4225	0
48	18	57.27375	99.007	8415.585	1115.958	-70.07994	241.5264	1138.461	1138.461	1085.583	1080.547	.0905825	.571486	0
48	19	50.86752	139.9041	5610.39	1118.155	-70.07994	161.0176	1138.451	1138.451	1086.616	1082.684	.643494	3.307545	0
48	20	95.81583	163.2267	5610.39	1119.449	-204.9315	161.0176	1135.899	1135.899	1089.136	1082.36	.993609	4.376913	0
48	21	68.37374	152.547	5610.39	1119.986	-204.9315	161.0176	1133.982	1133.982	1092.147	1082.696	.8278665	4.375	0
48	22	72.79642	250.7198	5610.39	1119.695	-36.47998	161.0176	1134.006	1134.006	1093.991	1085.46	.29428	4.375	0
48	23	167.0526	400.562	5610.39	1119.515	-36.47998	161.0176	1135.128	1135.128	1096.635	1086.462	.720013	17.5	0
48	24	144.5946	447.5595	5610.39	1119.529	-70.07994	161.0176	1135.73	1135.73	1098.864	1085.91	.865571	17.5	0
48	25	153.3602	465.3639	5610.39	1119.566	-70.07994	161.0176	1136.162	1136.162	1099.462	1085.758	.87	17.5	0
48	26	156.292	474.5576	5610.39	1119.685	-70.07994	161.0176	1134.121	1134.121	1100.134	1085.772	.870112	17.5	0
48	27	156.9332	468.9093	5610.39	1119.887	-70.07994	161.0176	1134.681	1134.681	1100.484	1086.044	.866173	17.5	0
48	28	154.1548	453.4893	5610.39	1120.149	-70.07994	161.0176	1134.531	1134.531	1100.865	1086.898	.837817	17.5	0
48	29	149.0823	438.2524	5610.39	1120.495	-70.07994	161.0176	1138.139	1138.139	1101.545	1088.188	.778274	17.5	0
48	30	145.287	399.2887	5610.39	1121.025	-70.07994	161.0176	1140.244	1140.244	1102.17	1089.142	.625922	17.5	0
48	31	135.634	355.4663	5610.39	1122.223	-70.07994	161.0176	1146.377	1146.377	1099.987	1089.365	.46831	17.5	3
48	32	132.0818	343.0757	5610.39	1123.573	-140.1599	161.0176	1147.016	1147.016	1099.462	1089.69	.424642	17.5	3
48	33	131.2817	240.0433	5610.39	1125.543	-140.1599	161.0176	1144.465	1144.465	1100.47	1090.77	.388303	17.5	0
48	34	97.96091	137.3488	5610.39	1127.911	-105.12	161.0176	1143.99	1143.99	1101.141	1091.766	.396956	3.5	10
48	35	93.07627	141.5217	5610.39	1130.89	-70.07996	161.0176	1142.99	1142.99	1101.3	1092.531	.388624	3.5	10
48	36	83.47688	144.2379	5610.39	1133.43	-70.07996	161.0176	1144.323	1144.323	1104.467	1093.555	.360358	3.5	10
48	37	99.69945	241.8896	5610.39	1135.744	-140.1599	161.0176	1144.521	1144.521	1104.075	1094.577	.383385	3.5	10
48	38	134.2365	361.148	5610.39	1137.042	-204.9315	161.0176	1144.5	1144.5	1103.859	1094.445	.418852	17.5	0
48	39	134.7887	392.0994	5610.39	1137.705	-70.07996	161.0176	1144.5	1144.5	1104.943	1094.141	.471659	17.5	0
48	40	207.436	205.2018	8415.585	1138.348	-70.07996	241.5264	1145.654	1145.654	1105.051	1093.383	.478952	17.5	0

48	41	283.0487	211.626	11220.78	1139.56	-70.07996	322.0352	1147.74	1147.74	1104.507	1092.462	.526617	17.5	0
48	2	282.7583	223.3197	11220.78	1140.505	-70.07996	322.0352	1147.539	1147.539	1104.166	1091.701	.536177	17.5	0
48	43	296.9874	228.5327	11220.78	1141.301	-70.07996	322.0352	1145.414	1145.414	1103.874	1090.11	.535744	17.5	0
48	44	288.1998	220.539	11220.78	1141.983	-52.55996	322.0352	1144.531	1144.531	1103.227	1089.8	.437287	17.5	0
48	5	297.5909	190.4803	11220.78	1142.618	-18.23998	322.0352	1146.68	1146.68	1102.456	1089.694	.407231	17.5	0
4	6	240.6349	142.9302	11220.78	1143.324	-18.23998	322.0352	1146.177	1146.177	1101.379	1092.864	.527057	17.5	0
4	47	187.0814	130.4099	11220.78	1144.094	-18.23998	322.0352	1146.145	1146.145	1100.264	1095.468	.63311	17.5	0
48	48	195.3777	135.8917	11220.78	1144.824	-18.23998	322.0352	1147.536	1147.536	1100.618	1094.362	.632	17.5	7
48	9	178.9774	119.0922	11220.78	1145.465	-18.23998	322.0352	1148.779	1148.779	1100.097	1094.233	.632	16.69244	7
48	50	147.4266	101.254	11220.78	1146.092	-9.119992	322.0352	1150.252	1150.252	1098.003	1094.248	.632	16.57841	7
48	51	136.9124	89.32898	11220.78	1146.746	-9.119992	322.0352	1150.221	1150.221	1099.617	1095.42	.632	11.66454	7
48	52	127.5738	84.97215	11220.78	1147.374	-13.67999	322.0352	1149.698	1149.698	1101.767	1096.765	.632	6.296104	7
48	53	123.1519	87.20038	11220.78	1147.888	-52.55998	322.0352	1149.362	1149.362	1101.169	1096.411	.632	7.858154	7
48	54	118.0091	84.72946	11220.78	1147.912	-70.07994	322.0352	1148.898	1148.898	1101.076	1096.297	.632	7.691156	0
48	55	110.4973	75.31401	11220.78	1147.279	-70.07994	322.0352	1148.287	1148.287	1101.633	1096.633	.632	6.286136	0
48	56	91.33497	64.51099	11220.78	1145.796	-105.1199	322.0352	1147.185	1147.185	1099.046	1094.046	.632	2.434765	0
48	57	81.95543	60.46278	11220.78	1143.414	-140.1599	322.0352	1144.651	1144.651	1097.124	1092.124	.632	.632	0
48	58	81.22514	59.59888	11220.78	1140.385	-140.1599	322.0352	1140.323	1140.323	1095.166	1090.166	.632	.632	0
48	59	80.52206	59.0022	11220.78	1137.82	-140.1599	322.0352	1137.593	1137.593	1094.206	1089.206	.632	.632	0
48	60	80.07957	58.54677	11220.78	1136.348	-140.1599	322.0352	1137.175	1137.175	1092.891	1087.891	.632	.632	0
48	61	79.27805	57.93082	11220.78	1134.515	-140.1599	322.0352	1139.222	1139.222	1092.134	1087.134	.632	.632	0
48	62	77.82359	57.04781	11220.78	1131.185	-72.9599	322.0352	1133.018	1133.018	1089.052	1084.052	.632	.632	0
48	63	75.94485	56.33523	11220.78	1127.857	-72.9599	322.0352	1127.682	1127.682	1087.743	1082.743	.632	.632	0
48	64	74.69472	56.20433	11220.78	1126.702	-72.9599	60000	1126.7	1125.7	1086.841	1081.841	.632	.632	20
49	1	4009.416	3904.177	14961.04	1091.936	-427.1996	80000	1092	1091	991.9418	986.9418	37.7	37.7	19
49	2	3734.306	3681.564	14961.04	1090.177	-427.1996	429.3803	1129.341	1129.341	994.6465	989.6465	37.76149	37.76149	0
49	3	3465.124	3229.913	14961.04	1088.073	-427.1996	429.3803	1120.633	1120.633	997.0105	992.0105	36.55951	36.55951	0
49	4	2811.415	2547.051	14961.04	1086.188	0	80000	1086.1	1085.1	1001.068	996.0683	32.08549	32.08549	16
49	5	2242.148	2179.098	14961.04	1086.162	0	80000	1086.1	1085.1	1004.386	999.386	24.71576	24.71576	16
49	6	2108.236	2009.303	14961.04	1087.66	0	429.3803	1096.838	1096.838	1008.891	1003.891	25.71331	25.71331	0
4	7	1784.432	1749.153	14961.04	1089.024	-427.1996	429.3803	1104.619	1104.619	1013.476	1008.476	22.38737	22.38737	0
4	8	1621.021	1521.732	14961.04	1090.283	-427.1996	429.3803	1108.551	1108.551	1017.753	1012.753	21.04802	21.04802	0
49	9	1396.189	1331.803	14961.04	1091.5	-427.1996	429.3803	1112.937	1112.937	1022.46	1017.46	18.18662	18.18662	0
49	10	1281.205	1221.122	14961.04	1092.726	-427.1996	429.3803	1110.815	1110.815	1028.988	1023.988	18.17955	18.17955	0
49	11	1157.537	1080.13	14961.04	1093.94	-427.1996	429.3803	1108.965	1108.965	1036.243	1031.243	17.9	17.9	0
49	12	1008.411	920.7343	14961.04	1095.194	-427.1996	429.3803	1101.507	1101.507	1046.34	1041.34	17.9	17.9	0
49	13	864.7151	812.3313	14961.04	1096.562	-316.7997	429.3803	1112.511	1112.511	1056.918	1051.918	17.9	17.9	0
49	14	737.8339	700.0591	14961.04	1098.145	-427.1996	429.3803	1126.153	1126.153	1061.583	1056.583	17.9	17.9	0
49	15	346.9367	348.9948	14961.04	1100.014	-427.1996	429.3803	1128.858	1128.858	1068.474	1063.474	15.65823	15.65823	0
49	16	86.28535	83.55617	14961.04	1102.871	-35.03996	429.3803	1132.136	1132.136	1076.357	1071.357	1.228889	1.228889	0
49	17	130.7442	92.39323	14961.04	1110.154	-26.27998	429.3803	1138.126	1138.126	1084.934	1079.934	1.270109	1.157233	0
49	18	120.1335	224.1907	11220.78	1114.968	-17.51999	322.0352	1140.521	1140.521	1089.245	1084.245	1.246273	4.328137	0
49	19	118.621	400.1947	7480.52	1116.716	-17.51999	214.6902	1140.599	1140.599	1093.536	1088.522	.972511	10.54542	0
49	20	202.0627	439.1227	7480.52	1117.668	-213.5998	214.6902	1137.01	1137.01	1096.688	1091.771	8.210031	11.36862	0
49	21	223.8199	361.2846	7480.52	1118.028	-17.51999	214.6902	1134.48	1134.48	1095.13	1089.645	.769496	17.59177	0
49	22	269.3282	625.1028	7480.52	1118.427	-9.119993	214.6902	1134.949	1134.949	1097.143	1089.584	.867288	17.5	0
49	23	363.3514	712.5059	7480.52	1118.743	-9.119993	214.6902	1135.205	1135.205	1099.793	1089.465	.87	35	0
49	24	228.5234	595.0734	7480.52	1119.08	-9.119993	214.6902	1140.827	1140.827	1101.965	1089.203	.87	17.5	0
49	25	240.2005	618.1235	7480.52	1119.504	-17.51999	214.6902	1143.811	1143.811	1103.09	1089.013	.87	17.5	0
49	26	238.2548	620.157	7480.52	1119.948	-17.51999	214.6902	1145.237	1145.237	1103.001	1088.91	.87	17.5	0
49	27	240.5003	619.1396	7480.52	1120.444	-17.51999	214.6902	1144.889	1144.889	1103.215	1089.063	.87009	17.5	0
49	28	241.3644	608.2964	7480.52	1121.018	-23.35998	214.6902	1143.207	1143.207	1103.452	1089.456	.869471	17.5	0
49	29	234.3562	593.1411	7480.52	1121.712	-23.35998	214.6902	1141.554	1141.554	1103.7	1090.157	.809192	17.5	0
49	30	156.1489	591.2993	7480.52	1122.617	-23.35998	214.6902	1141.057	1141.057	1103.938	1090.565	.577402	17.5	0
49	31	156.8914	596.908	7480.52	1123.817	-23.35998	214.6902	1142.351	1142.351	1104.119	1090.472	.550667	17.5	10
49	32	160.3135	596.0199	7480.52	1125.215	-46.71996	214.6902	1144.336	1144.336	1104.239	1090.553	.52059	17.5	10
49	33	159.9769	596.913	7480.52	1126.78	-35.03998	214.6902	1143.546	1143.546	1104.488	1090.917	.502202	17.5	10
49	34	159.6142	581.0171	7480.52	1128.469	-12.15999	214.6902	1145.262	1145.262	1104.836	1091.235	.556772	17.5	10
49	35	150.1589	517.517	7480.52	1130.245	-12.15999	214.6902	1145.169	1145.169	1104.223	1091.778	.569701	17.5	10
49	36	140.8686	540.3881	7480.52	1132.133	-12.15999	214.6902	1145.33	1145.33	1101.621	1091.869	.553399	17.5	10

49	37	165.6859	613.2245	7480.52	1133.84	-46.71996	214.6902	1145.568	1145.568	1105.233	1091.485	.522797	17.5	10
49	38	164.9504	594.5703	7480.52	1135.166	-70.07996	214.6902	1145.545	1145.545	1104.757	1090.807	.541971	17.5	10
49	39	153.6779	569.5184	7480.52	1136.238	-36.47996	214.6902	1145.546	1145.546	1105.736	1093.223	.575428	17.5	10
49	40	218.9568	286.0276	11220.78	1137.183	-36.47996	322.0352	1145.452	1145.452	1105.179	1092.922	.644061	17.5	10
49	41	292.0485	283.6389	14961.04	1138.722	-36.47996	429.3803	1147.028	1147.028	1105.201	1092.575	.54424	17.5	10
4	2	281.9755	281.986	14961.04	1139.967	-36.47996	429.3803	1147.195	1147.195	1104.316	1092.238	.536	17.5	10
49	43	283.0179	280.4769	14961.04	1141.011	-36.47996	429.3803	1146.703	1146.703	1104.045	1091.687	.536	17.5	0
49	44	277.0381	291.7387	14961.04	1141.916	-52.55996	429.3803	1145.582	1145.582	1103.521	1091.692	.535533	17.5	0
49	45	292.5534	284.2521	14961.04	1142.677	-18.23998	429.3803	1147.87	1147.87	1103.697	1089.901	.450151	17.5	0
49	46	279.0081	237.1427	14961.04	1143.432	-18.23998	429.3803	1148.846	1148.846	1103.055	1091.987	.466695	17.5	0
49	47	255.6214	208.5793	14961.04	1144.223	-18.23998	429.3803	1149.307	1149.307	1102.644	1094.347	.448003	17.5	0
49	48	217.9293	193.1662	14961.04	1144.987	-18.23998	429.3803	1149.296	1149.296	1101.687	1094.288	.587548	17.5	7
49	49	188.7578	167.6145	14961.04	1145.71	-18.23998	429.3803	1149.437	1149.437	1100.42	1094.457	.632	17.5	7
49	50	164.9931	149.3337	14961.04	1146.436	-9.119992	429.3803	1149.605	1149.605	1098.266	1094.117	.632	17.69407	7
49	51	155.7668	145.3808	14961.04	1147.184	-9.119992	429.3803	1149.823	1149.823	1098.407	1094.379	.632	16.28728	7
49	52	152.9637	137.4295	14961.04	1147.877	-13.67999	429.3803	1150.484	1150.484	1097.68	1094.006	.632	17.48754	8
49	53	142.1017	124.8939	14961.04	1148.432	-27.35998	429.3803	1149.256	1149.256	1100.319	1095.926	.632	11.33556	8
49	54	130.5354	115.5338	14961.04	1148.676	-36.47998	429.3803	1149.124	1149.124	1101.092	1096.423	.632	8.636168	0
49	55	111.3004	101.4136	14961.04	1148.556	-105.1199	429.3803	1150.082	1150.082	1101.325	1096.329	.632	6.314826	0
49	56	92.1993	87.27576	14961.04	1147.84	-140.1599	429.3803	1149.167	1149.167	1099.92	1094.92	.632	2.436956	0
49	57	83.64817	82.56353	14961.04	1146.227	-140.1599	429.3803	1147.616	1147.616	1097.57	1092.57	.632	.632	0
49	58	83.60352	82.28201	14961.04	1143.921	-140.1599	429.3803	1145.305	1145.305	1095	1090	.632	.632	0
49	59	83.17567	81.93202	14961.04	1141.25	-140.1599	429.3803	1140.902	1140.902	1091.452	1086.452	.632	.632	0
49	60	82.5367	81.29525	14961.04	1139.397	-140.1599	429.3803	1139.12	1139.12	1089.885	1084.885	.632	.632	0
49	61	81.50943	79.86055	14961.04	1137.487	-140.1599	429.3803	1138.848	1138.848	1088.835	1083.835	.632	.632	0
49	62	79.49333	77.7047	14961.04	1134.264	-72.9599	429.3803	1137.758	1137.758	1088.998	1083.998	.632	.632	0
49	63	77.08701	75.52592	14961.04	1130.573	-72.9599	429.3803	1135.73	1135.73	1088.697	1083.697	.632	.632	0
49	64	74.31184	74.45032	14961.04	1126.505	-72.9599	80000	1126.5	1125.5	1087.704	1082.704	.632	.632	20
50	1	4343.292	3839.544	14961.04	1092.816	-427.1996	80000	1092.9	1091.9	992.913	987.913	36.45955	72.9191	19
50	2	3944.927	3517.866	14961.04	1090.89	-427.1996	429.3803	1134.786	1134.786	995.6512	990.6512	34.37698	68.75396	0
5	3	3557.695	3046.625	14961.04	1088.687	-427.1996	429.3803	1126.618	1126.618	998.08	993.08	33.42288	66.84576	0
5	4	3065.43	2506.512	14961.04	1086.198	0	80000	1086.1	1085.1	1002.096	997.0965	28.41585	56.8317	16
50	5	2659.033	2171.286	14961.04	1086.147	0	80000	1086.1	1085.1	1005.387	1000.387	25.13019	50.26038	16
50	6	2327.382	1883.365	14961.04	1087.377	0	429.3803	1094.912	1094.912	1010.013	1005.013	22.91364	45.82728	0
50	7	1944.095	1656.301	14961.04	1088.629	-427.1996	429.3803	1104.098	1104.098	1014.462	1009.462	20.23453	40.46906	0
50	8	1803.802	1495.479	14961.04	1089.821	-427.1996	429.3803	1109.958	1109.958	1019.288	1014.288	19.19447	38.38894	0
50	9	1661.058	1345.591	14961.04	1090.987	-427.1996	429.3803	1116.358	1116.358	1024.333	1019.333	17.99472	35.98944	0
50	10	1472.167	1217.621	14961.04	1092.207	-427.1996	429.3803	1115.949	1115.949	1032.755	1027.755	17.9	35.8	0
50	11	1298.669	1085.819	14961.04	1093.48	-427.1996	429.3803	1116.146	1116.146	1040.913	1035.913	17.9	35.8	0
50	12	1111.171	952.3922	14961.04	1094.817	-316.7997	429.3803	1119.474	1119.474	1050.395	1045.395	17.93161	35.86322	0
50	13	799.1991	790.2177	14961.04	1096.321	-427.1996	429.3803	1125.468	1125.468	1059.222	1054.222	18.03084	36.06168	0
50	14	395.54	384.7114	14961.04	1097.935	-427.1996	429.3803	1128.294	1128.294	1067.163	1062.163	15.89271	31.78542	0
50	15	95.96483	84.22729	14961.04	1100.015	-35.03996	429.3803	1132.133	1132.133	1073.866	1068.866	.971936	1.943872	0
50	16	99.96758	133.4734	14961.04	1106.333	-35.03996	429.3803	1134.579	1134.579	1081.397	1076.397	1.26	2.52	0
50	17	198.4942	198.529	14961.04	1111.26	-26.27998	429.3803	1139.824	1139.824	1089.203	1084.203	4.889368	4.516696	0
50	18	226.152	570.6489	11220.78	1114.791	-17.51999	322.0352	1140.646	1140.646	1093.312	1088.305	4.14154	16.51618	0
50	19	216.6952	882.5398	7480.52	1116.055	-17.51999	214.6902	1137.556	1137.556	1096.744	1091.816	4.1651	45.04756	0
50	20	312.9298	1264.407	7480.52	1116.871	-17.51999	214.6902	1134.04	1134.04	1096.095	1090.288	4.04984	68.70748	0
50	21	415.8676	1611.308	7480.52	1117.417	-17.51999	214.6902	1136.186	1136.186	1099.25	1090.371	3.471212	70	0
50	22	500.3161	1905.616	7480.52	1117.859	-17.51999	214.6902	1141.027	1141.027	1101.635	1090.585	3.48	70	0
50	23	566.9189	1654.993	7480.52	1118.249	-17.51999	214.6902	1143.729	1143.729	1103.938	1090.666	3.48	70	0
50	24	338.1145	1279.823	7480.52	1118.707	-17.51999	214.6902	1146.74	1146.74	1105.953	1090.669	3.48	35	0
50	25	354.1073	1295.698	7480.52	1119.303	-17.51999	214.6902	1149.036	1149.036	1106.569	1090.587	3.48	35	0
50	26	344.2952	1294.864	7480.52	1119.909	-17.51999	214.6902	1148.885	1148.885	1106.388	1090.727	3.48	35	0
50	27	344.396	1308.319	7480.52	1120.542	-17.51999	214.6902	1148.562	1148.562	1106.299	1090.496	3.49378	35	0
5	28	343.6139	1294.586	7480.52	1121.202	-23.35998	214.6902	1148.645	1148.645	1106.211	1090.275	3.400144	35	0
5	29	335.412	968.8792	7480.52	1121.899	-23.35998	214.6902	1147.475	1147.475	1106.188	1090.481	2.506792	35	0
50	30	174.6698	660.8617	7480.52	1122.85	-23.35998	214.6902	1145.696	1145.696	1106.063	1090.482	.613552	17.5	10
50	31	173.7831	671.2115	7480.52	1124.252	-23.35998	214.6902	1144.934	1144.934	1105.985	1090.557	.60739	17.5	10
5	32	180.766	685.1419	7480.52	1125.67	-18.23998	214.6902	1144.426	1144.426	1105.939	1089.802	.596121	17.5	10

50	33	180.1381	681.4515	7480.52	1127.109	-12.15999	214.6902	1144.5	1144.5	1105.972	1089.906	.629092	17.5	10
50	34	176.0362	658.0751	7480.52	1128.592	-12.15999	214.6902	1144.5	1144.5	1105.718	1090.079	.731378	17.5	10
50	35	167.0284	646.5928	7480.52	1130.133	-12.15999	214.6902	1144.5	1144.5	1105.014	1090.583	.732232	17.5	10
50	36	171.6187	685.83	7480.52	1131.678	-12.15999	214.6902	1144.501	1144.501	1105.421	1090.587	.732348	17.5	10
50	37	181.0809	709.3209	7480.52	1133.081	-46.71996	214.6902	1144.204	1144.204	1107.082	1090.462	.744225	17.5	10
5	8	176.0146	679.9428	7480.52	1134.284	-36.47996	214.6902	1144.401	1144.401	1106.56	1090.331	.662286	17.5	10
50	39	168.3019	629.078	7480.52	1135.367	-36.47996	214.6902	1144.454	1144.454	1105.022	1090.113	.658661	17.5	10
50	40	242.2019	297.9633	11220.78	1136.368	-36.47996	322.0352	1144.457	1144.457	1105.712	1092.549	.67471	17.5	10
50	41	304.8869	290.385	14961.04	1138.086	-36.47996	429.3803	1145.124	1145.124	1105.327	1092.467	.677588	17.5	10
50	42	294.3632	283.0074	14961.04	1139.508	-36.47996	429.3803	1145.214	1145.214	1104.925	1092.523	.545008	17.5	10
50	43	278.7869	279.579	14961.04	1140.726	-36.47996	429.3803	1148.42	1148.42	1104.39	1092.216	.536556	17.5	10
50	44	273.0346	277.8528	14961.04	1141.775	-27.35998	429.3803	1147.397	1147.397	1103.631	1091.703	.536384	17.5	0
50	45	276.0638	287.3093	14961.04	1142.702	-18.23998	429.3803	1150.283	1150.283	1103.427	1091.68	.601679	17.5	0
50	46	289.9568	297.4868	14961.04	1143.559	-18.23998	429.3803	1150.886	1150.886	1103.505	1090.514	.524783	17.5	0
50	47	290.4646	264.9714	14961.04	1144.357	-18.23998	429.3803	1150.868	1150.868	1103.597	1090.427	.474571	17.5	0
50	48	243.0019	213.5209	14961.04	1145.14	-18.23998	429.3803	1150.297	1150.297	1103.333	1094.3	.585045	17.5	0
50	49	208.4419	186.1364	14961.04	1145.945	-18.23998	429.3803	1149.598	1149.598	1102.213	1095.437	.623957	17.5	7
50	50	174.235	171.4262	14961.04	1146.751	-9.119992	429.3803	1148.638	1148.638	1099.896	1094.287	.632	17.5	7
50	51	169.7084	163.3497	14961.04	1147.583	-9.119992	429.3803	1149.238	1149.238	1099.055	1094.138	.632	17.5	7
50	52	164.1607	157.6359	14961.04	1148.37	-13.67999	429.3803	1150.106	1150.106	1098.685	1094.101	.632	17.50726	8
50	53	155.7308	147.7432	14961.04	1149.036	-27.35998	429.3803	1150.269	1150.269	1098.605	1094.443	.632	17.62493	8
50	54	134.7943	126.302	14961.04	1149.429	-54.71994	429.3803	1150.197	1150.197	1099.577	1095.281	.632	13.99326	0
50	55	98.64981	102.0862	14961.04	1149.408	-72.9599	429.3803	1149.705	1149.705	1102.008	1097.013	.632	6.375774	0
50	56	90.33691	88.57171	14961.04	1149.084	-140.1599	429.3803	1149.657	1149.657	1098.905	1093.905	.632	2.352996	0
50	57	85.19331	84.68816	14961.04	1147.9	-140.1599	429.3803	1148.556	1148.556	1095.819	1090.819	.632	.632	0
50	58	84.90659	84.49718	14961.04	1146.03	-140.1599	429.3803	1146.498	1146.498	1092.348	1087.348	.632	.632	0
50	59	84.16367	83.78035	14961.04	1143.86	-140.1599	429.3803	1143.686	1143.686	1090.675	1085.675	.632	.632	0
50	60	83.40957	82.75088	14961.04	1142.138	-140.1599	429.3803	1142.298	1142.298	1089.917	1084.917	.632	.632	9
50	61	82.37405	81.14222	14961.04	1139.911	-140.1599	429.3803	1142.112	1142.112	1089.639	1084.639	.632	.632	9
50	62	80.4673	78.87565	14961.04	1136.732	-140.1599	429.3803	1142.053	1142.053	1089.445	1084.445	.632	.632	0
5	63	77.83615	75.87292	14961.04	1132.564	-140.1599	429.3803	1142.352	1142.352	1089.379	1084.379	.632	.632	0
50	64	74.21571	74.17337	14961.04	1127.107	-140.1599	80000	1127.1	1126.1	1089.261	1084.261	.632	.632	20
51	1	4454.744	4448.674	14961.04	1093.684	-106.7999	80000	1093.8	1092.8	993.4609	988.4609	43.27557	57.70074	19
51	2	4232.886	3984.756	14961.04	1091.546	-106.7999	429.3803	1136.932	1136.932	996.369	991.369	41.40717	55.20958	0
51	3	3869.089	3576.5	14961.04	1089.117	-106.7999	429.3803	1128.836	1128.836	998.911	993.911	38.16081	50.88108	0
51	4	3237.969	3217.951	14961.04	1086.327	0	80000	1086.2	1085.2	1003.2	998.1998	37.85457	50.47276	16
51	5	2657.087	2815.13	14961.04	1086.487	0	429.3803	1086.272	1086.272	1007.216	1002.216	34.65225	46.20302	0
51	6	2445.766	2388.113	14961.04	1087.258	0	429.3803	1095.259	1095.259	1011.835	1006.835	31.57122	42.09496	0
51	7	2101.167	2091.596	14961.04	1088.243	-106.7999	429.3803	1103.57	1103.57	1016.803	1011.803	27.16633	36.22178	0
51	8	1933.926	1969.38	14961.04	1089.298	-106.7999	429.3803	1111.596	1111.596	1021.816	1016.816	26.92647	35.90196	0
51	9	1820.37	1787.634	14961.04	1090.362	-106.7999	429.3803	1122.05	1122.05	1027.177	1022.177	26.8469	35.79586	0
51	10	1399.364	1553.215	14961.04	1091.527	-106.7999	429.3803	1123.747	1123.747	1037.031	1032.031	26.64833	35.5311	0
51	11	1073.432	1324.021	14961.04	1092.818	-106.7999	429.3803	1128.704	1128.704	1046.711	1041.711	26.57313	35.43084	0
51	12	670.9557	957.9774	14961.04	1094.207	-106.7999	429.3803	1136.27	1136.27	1054.301	1049.301	25.07622	33.43496	0
51	13	409.772	404.5214	14961.04	1095.724	-106.7999	429.3803	1133.279	1133.279	1063.75	1058.75	17.25349	23.00466	0
51	14	106.0363	106.7934	14961.04	1097.666	-8.75999	429.3803	1130.817	1130.817	1067.836	1062.836	1.590798	2.121064	0
51	15	111.5274	111.7051	14961.04	1102.445	-106.7999	429.3803	1128.931	1128.931	1072.399	1067.399	1.89	2.52	0
51	16	104.9977	164.9883	14961.04	1107.719	-106.7999	429.3803	1134.317	1134.317	1079.94	1074.94	1.897158	2.529544	0
51	17	213.2571	301.5013	14961.04	1111.642	-6.569995	429.3803	1139.492	1139.492	1088.669	1083.653	6.223168	5.90412	0
51	18	216.4552	899.204	11220.78	1114.535	-4.379998	322.0352	1137.268	1137.268	1094.689	1090.165	6.253784	46.66552	0
51	19	194.9543	1235.96	7480.52	1115.621	-4.379998	214.6902	1135.447	1135.447	1095.1	1090.19	6.160144	69.45184	0
5	20	315.8085	1650.782	7480.52	1116.412	-4.379998	214.6902	1137.784	1137.784	1098.792	1090.519	5.26642	70	0
51	21	432.6939	2053.427	7480.52	1116.997	-4.379998	214.6902	1140.635	1140.635	1102.402	1090.889	5.22	70	0
51	22	540.043	2363.324	7480.52	1117.467	-4.379998	214.6902	1145.806	1145.806	1105.697	1091.236	5.22	70.0472	0
5	23	620.0759	1965.14	7480.52	1117.882	-4.379998	214.6902	1149.468	1149.468	1108.535	1091.459	1.74	68.8432	0
5	24	360.6509	1489.064	7480.52	1118.392	-17.51999	214.6902	1149.527	1149.527	1110.407	1091.427	3.48	34.16072	0
51	25	368.0824	1497.912	7480.52	1119.066	-17.51999	214.6902	1149.5	1149.5	1110.931	1091.331	3.48	35.07618	0
51	26	378.5967	1459.901	7480.52	1119.739	-17.51999	214.6902	1149.38	1149.38	1109.698	1091.123	3.48	35	0
5	27	368.4823	1443.72	7480.52	1120.438	-17.51999	214.6902	1148.131	1148.131	1109.086	1090.833	3.438852	35	0
51	28	360.607	1421.518	7480.52	1121.16	-23.35998	214.6902	1146.18	1146.18	1108.671	1090.532	2.73308	35	0

51	29	355.8966	1071.448	7480.52	1121.906	-23.35998	214.6902	1144.5	1144.5	1108.371	1090.587	2.46	35	0
5	30	186.4713	732.9496	7480.52	1122.908	-23.35998	214.6902	1144.494	1144.494	1108.076	1090.372	.615	17.5	10
5	31	189.793	746.2847	7480.52	1124.366	-17.51999	214.6902	1144.247	1144.247	1107.865	1090.315	.615	17.5	10
51	32	195.7493	758.4745	7480.52	1125.799	-23.35998	214.6902	1143.611	1143.611	1107.717	1089.353	.615081	17.5	10
5	33	192.8511	743.2455	7480.52	1127.204	-23.35998	214.6902	1144.109	1144.109	1107.43	1089.28	.609672	17.5	10
5	4	178.8352	714.1831	7480.52	1128.619	-12.15999	214.6902	1144.109	1144.109	1106.53	1089.33	.736504	17.5	10
51	35	174.7485	707.9954	7480.52	1130.061	-12.15999	214.6902	1143.511	1143.511	1105.814	1089.748	.798837	17.5	10
51	36	184.8742	724.9684	7480.52	1131.458	-12.15999	214.6902	1143.84	1143.84	1106.409	1089.781	.798359	17.5	10
5	37	185.1466	719.0612	7480.52	1132.742	-24.31998	214.6902	1144.141	1144.141	1106.737	1089.782	.798898	17.5	10
51	38	180.6478	697.323	7480.52	1133.921	-36.47996	214.6902	1144.404	1144.404	1105.934	1089.774	.796239	17.5	10
51	39	174.0589	690.0012	7480.52	1135.003	-36.47996	214.6902	1144.5	1144.5	1105.395	1089.695	.709844	17.5	10
5	40	261.1571	329.8594	11220.78	1135.973	-36.47996	322.0352	1144.476	1144.476	1106.625	1090.754	.675061	17.5	10
5	41	326.4489	308.8651	14961.04	1137.687	-36.47996	429.3803	1144.918	1144.918	1106.276	1092.351	.676146	17.5	10
51	42	302.9579	290.1428	14961.04	1139.18	-36.47996	429.3803	1144.821	1144.821	1105.6	1092.303	.671263	17.5	10
5	43	283.9979	272.2425	14961.04	1140.494	-36.47996	429.3803	1148.48	1148.48	1104.36	1092.425	.514839	17.5	0
5	44	268.1155	271.2456	14961.04	1141.664	-27.35998	429.3803	1150.614	1150.614	1103.705	1092.217	.485127	17.5	0
51	45	271.2374	278.7113	14961.04	1142.705	-18.23998	429.3803	1150.465	1150.465	1103.519	1091.731	.493136	17.5	0
51	46	277.4906	282.9347	14961.04	1143.651	-18.23998	429.3803	1151.75	1151.75	1103.608	1091.463	.54954	17.5	0
5	47	280.8955	268.4951	14961.04	1144.519	-18.23998	429.3803	1152.758	1152.758	1103.724	1091.763	.606382	17.5	0
5	48	273.0255	237.9229	14961.04	1145.352	-18.23998	429.3803	1151.268	1151.268	1103.634	1093.179	.535479	17.5	0
51	49	241.4059	196.5405	14961.04	1146.177	-18.23998	429.3803	1150.502	1150.502	1102.759	1094.258	.544014	17.5	0
5	50	180.7116	172.5173	14961.04	1147.042	-9.119992	429.3803	1150.023	1150.023	1100.599	1095.273	.622132	17.5	7
5	51	172.0464	170.5194	14961.04	1147.983	-9.119992	429.3803	1150.02	1150.02	1100.169	1094.797	.632	17.5	0
51	52	177.117	162.2555	14961.04	1148.89	-13.67999	429.3803	1150.501	1150.501	1099.064	1094.095	.632	17.48052	8
5	53	134.9837	142.7818	14961.04	1149.717	-78.83994	429.3803	1150.401	1150.401	1099.248	1093.821	.632	14.00544	8
5	54	109.6149	107.1421	14961.04	1150.205	-140.1599	429.3803	1150.244	1150.244	1098.481	1093.321	.632	9.084374	8
51	55	85.96318	86.90056	14961.04	1149.938	-140.1599	429.3803	1149.711	1149.711	1096.472	1091.471	.632	.664927	0
51	56	87.02255	86.95851	14961.04	1149.597	-140.1599	429.3803	1149.584	1149.584	1095.11	1090.11	.632	1.0636	0
5	57	85.68031	85.41173	14961.04	1148.526	-140.1599	429.3803	1148.508	1148.508	1093.692	1088.692	.632	.632	0
5	58	84.85085	84.57306	14961.04	1146.751	-140.1599	429.3803	1146.511	1146.511	1093.065	1088.065	.632	.632	0
5	59	83.84508	83.79288	14961.04	1145.198	-140.1599	429.3803	1145.144	1145.144	1092.683	1087.683	.632	.632	9
5	60	83.14467	83.03275	14961.04	1143.65	-140.1599	429.3803	1144.501	1144.501	1092.118	1087.118	.632	.632	9
5	61	82.26926	81.69913	14961.04	1141.5	-140.1599	429.3803	1144.526	1144.526	1090.748	1085.748	.632	.632	9
51	62	80.69021	79.4278	14961.04	1138.309	-140.1599	429.3803	1144.826	1144.826	1090.439	1085.439	.632	.632	0
51	63	78.11536	76.17893	14961.04	1133.832	-140.1599	429.3803	1145.667	1145.667	1090.028	1085.028	.632	.632	0
5	64	74.30255	74.25805	14961.04	1127.708	-140.1599	80000	1127.7	1126.7	1089.96	1084.96	.632	.632	20
52	1	4345.284	4238.955	14961.04	1094.567	-106.7999	80000	1094.7	1093.7	994.1458	989.1458	39.49695	52.6626	19
52	2	3981.711	4117.219	14961.04	1092.17	-106.7999	429.3803	1140.741	1140.741	997.1078	992.1078	41.22135	54.96178	0
52	3	3598.338	3530.559	14961.04	1089.564	-106.7999	429.3803	1135.09	1135.09	999.8554	994.8554	41.34852	55.13134	0
52	4	2840.2	2677.105	14961.04	1086.343	0	80000	1086.2	1085.2	1004.302	999.3021	34.02816	45.3709	16
52	5	2289.363	2287.723	14961.04	1086.238	0	80000	1086.2	1085.2	1008.427	1003.427	26.94531	35.92708	16
52	6	2134.413	2158.821	14961.04	1087.068	0	429.3803	1098.638	1098.638	1013.854	1008.854	28.01419	37.35226	0
52	7	1961.548	1943.497	14961.04	1087.908	-79.19995	429.3803	1103.043	1103.043	1019.589	1014.589	26.88705	35.8494	0
52	8	1672.462	1784.916	14961.04	1088.811	-79.19995	429.3803	1110.349	1110.349	1024.918	1019.918	25.5791	34.10546	0
52	9	1478.468	1432.101	14961.04	1089.742	-106.7999	429.3803	1118.804	1118.804	1030.385	1025.385	25.69914	34.26552	0
52	10	848.9387	919.5807	14961.04	1090.791	-106.7999	429.3803	1122.783	1122.783	1040.212	1035.212	19.14607	25.5281	0
52	11	407.9442	420.3668	14961.04	1092.076	-106.7999	429.3803	1125.967	1125.967	1049.774	1044.774	13.63353	18.17804	0
52	12	124.521	122.7503	14961.04	1093.612	-4.559995	429.3803	1133.121	1133.121	1057.984	1052.984	2.218388	2.95785	0
52	13	109.8911	111.287	14961.04	1095.927	-8.75999	429.3803	1127.793	1127.793	1065.356	1060.356	1.855201	2.473602	0
52	14	110.6748	110.7702	14961.04	1099.182	-106.7999	429.3803	1125.801	1125.801	1069.63	1064.63	1.89	2.52	0
52	15	108.383	104.8199	14961.04	1102.873	-8.75999	429.3803	1113.186	1113.186	1074.637	1069.637	1.894002	2.525336	0
52	16	98.04727	153.2664	14961.04	1107.473	-8.75999	429.3803	1123.813	1123.813	1080.795	1075.795	1.625892	2.167856	0
52	17	208.2364	200.3627	14961.04	1110.916	-59.39995	429.3803	1137.663	1137.663	1088.589	1083.589	6.24	4.16	0
52	18	144.2474	457.8268	11220.78	1113.773	-2.279999	322.0352	1134.992	1134.992	1092.718	1087.718	6.198852	3.088732	0
52	19	130.0927	807.0905	7480.52	1115.124	-4.379998	214.6902	1131.827	1131.827	1097.117	1092.113	5.493084	23.2871	0
52	20	214.8635	1343.227	7480.52	1115.995	-4.379998	214.6902	1139.066	1139.066	1096.621	1090.781	5.22	67.3712	0
52	21	330.2962	1837.521	7480.52	1116.592	-4.379998	214.6902	1146.012	1146.012	1100.511	1090.97	5.22	70	0
52	22	431.4529	2277.151	7480.52	1117.081	-4.379998	214.6902	1150.039	1150.039	1104.557	1091.366	5.22	70	0
52	23	503.1258	1957.767	7480.52	1117.515	-4.379998	214.6902	1150.554	1150.554	1108.395	1091.642	1.74	70.15984	0
52	24	302.5052	1425.869	7480.52	1118.05	-17.51999	214.6902	1149.538	1149.538	1110.088	1091.722	3.48	34.93212	0

52	25	305.8994	1488.804	7480.52	1118.791	-17.51999	214.6902	1147.592	1147.592	1109.381	1091.478	3.48	35.00384	0
52	26	324.1417	1528.415	7480.52	1119.514	-17.51999	214.6902	1145.113	1145.113	1111.289	1091.181	3.469756	35	10
52	27	299.6317	1472.637	7480.52	1120.243	-17.51999	214.6902	1144.38	1144.38	1109.887	1090.809	3.035024	35	10
52	28	285.5348	1444.497	7480.52	1121.017	-23.35998	214.6902	1144.48	1144.48	1109.26	1090.749	2.443724	35	10
52	29	280.0629	1098.023	7480.52	1121.816	-23.35998	214.6902	1144.5	1144.5	1108.867	1090.604	2.46	35	10
5	0	148.6488	772.1074	7480.52	1122.877	-17.51999	214.6902	1144.5	1144.5	1108.795	1090.422	.615	17.5	10
52	31	157.3882	795.8845	7480.52	1124.379	-6.079994	214.6902	1144.527	1144.527	1109.508	1090.306	.615	17.5	10
52	32	161.807	795.9271	7480.52	1125.832	-12.15999	214.6902	1144.462	1144.462	1109.002	1089.354	.615	17.5	10
52	33	160.4823	743.4998	7480.52	1127.253	-12.15999	214.6902	1143.911	1143.911	1108.217	1089.139	.609578	17.5	10
52	34	162.9924	700.1515	7480.52	1128.709	-23.35998	214.6902	1143.637	1143.637	1106.85	1090.541	.736893	17.5	10
52	35	172.4448	730.4954	7480.52	1130.169	-23.35998	214.6902	1143.5	1143.5	1107.345	1091.147	.799	17.5	10
52	36	185.8321	755.1149	7480.52	1131.507	-23.35998	214.6902	1143.48	1143.48	1107.549	1089.669	.799	17.5	10
52	37	183.7909	744.1162	7480.52	1132.741	-46.71996	214.6902	1143.453	1143.453	1107.198	1089.7	.799	17.5	10
52	38	185.5049	721.5036	7480.52	1133.892	-70.07996	214.6902	1143.59	1143.59	1106.806	1089.7	.800435	17.5	10
52	39	180.5785	702.6534	7480.52	1134.939	-70.07996	214.6902	1144.496	1144.496	1105.783	1089.7	.773705	17.5	10
52	40	263.963	344.799	11220.78	1135.873	-36.47996	322.0352	1144.5	1144.5	1105.764	1089.7	.699585	17.5	10
52	41	343.7498	320.5417	14961.04	1137.527	-36.47996	429.3803	1144.433	1144.433	1106.174	1090.752	.664944	17.5	10
52	42	308.0865	296.813	14961.04	1139.01	-36.47996	429.3803	1145.542	1145.542	1105.723	1092.351	.57383	17.5	10
52	43	285.1826	279.8708	14961.04	1140.363	-36.47996	429.3803	1146.076	1146.076	1105.273	1092.3	.453738	17.5	0
52	44	268.3061	268.1073	14961.04	1141.589	-27.35998	429.3803	1148.625	1148.625	1104.117	1092.295	.329667	17.5	0
52	45	260.7028	270.0167	14961.04	1142.714	-18.23998	429.3803	1150.709	1150.709	1103.545	1091.766	.342043	17.5	0
52	46	267.9642	275.4514	14961.04	1143.75	-18.23998	429.3803	1152.145	1152.145	1103.52	1091.758	.430871	17.5	0
52	47	277.8929	285.426	14961.04	1144.703	-18.23998	429.3803	1152.726	1152.726	1103.578	1091.644	.52481	17.5	0
52	48	289.2289	276.5086	14961.04	1145.578	-18.23998	429.3803	1152.08	1152.08	1103.928	1091.423	.584655	17.5	0
52	49	255.0438	225.577	14961.04	1146.413	-18.23998	429.3803	1151.503	1151.503	1103.342	1092.54	.619229	17.19436	0
52	50	167.0894	180.2407	14961.04	1147.316	-9.119992	429.3803	1150.634	1150.634	1101.69	1095.246	.626776	17.36899	0
52	51	150.9653	178.6439	14961.04	1148.372	-9.119992	429.3803	1150.607	1150.607	1101.343	1095.417	.628995	15.44814	8
52	52	149.3603	149.8452	14961.04	1149.411	-39.41996	429.3803	1150.509	1150.509	1101.219	1094.437	.632	15.78306	8
52	53	113.0892	101.8167	14961.04	1150.398	-105.1199	429.3803	1150.935	1150.935	1099.305	1093.798	.632	5.734062	0
52	54	98.15309	88.43599	14961.04	1150.779	-140.1599	429.3803	1150.598	1150.598	1097.336	1092.34	.632	1.621894	0
5	55	86.63004	86.08517	14961.04	1150.06	-140.1599	429.3803	1149.49	1149.49	1095.305	1090.305	.632	.646634	9
5	56	86.21272	85.74437	14961.04	1149.316	-140.1599	429.3803	1148.841	1148.841	1094.572	1089.572	.632	.632	0
52	57	85.63109	85.11943	14961.04	1148.281	-140.1599	429.3803	1147.929	1147.929	1094.084	1089.084	.632	.632	0
52	58	84.67822	84.12286	14961.04	1146.799	-140.1599	429.3803	1146.481	1146.481	1093.765	1088.765	.632	.632	0
52	59	83.56982	83.19687	14961.04	1145.124	-140.1599	429.3803	1144.658	1144.658	1094.078	1089.078	.632	.632	0
5	60	82.93199	82.38119	14961.04	1144.069	-140.1599	429.3803	1143.945	1143.945	1094.065	1089.065	.632	.632	9
5	61	82.16649	81.26033	14961.04	1142.388	-140.1599	429.3803	1144.502	1144.502	1093.847	1088.847	.632	.632	9
52	62	80.51105	79.37776	14961.04	1139.32	-140.1599	429.3803	1144.872	1144.872	1092.264	1087.264	.632	.632	0
5	63	77.89906	76.23897	14961.04	1134.72	-140.1599	429.3803	1145.296	1145.296	1091.285	1086.285	.632	.632	0
5	64	74.2832	74.34705	14961.04	1128.308	-140.1599	80000	1128.3	1127.3	1090.648	1085.648	.632	.632	20
53	1	4279.714	4088.04	14961.04	1095.344	-106.7999	80000	1095.5	1094.5	994.9982	989.9982	41.1774	54.9032	19
53	2	3468.654	3462.83	14961.04	1092.948	-106.7999	429.3803	1143.628	1143.628	997.967	992.967	36.5415	48.72198	0
53	3	2885.897	2907.979	14961.04	1090.194	-106.7999	429.3803	1138.69	1138.69	1000.887	995.8874	32.87205	43.8294	0
53	4	2471.646	2452.458	14961.04	1086.491	0	80000	1086.3	1085.3	1005.375	1000.375	29.65399	39.53866	16
53	5	2145.594	2136.053	14961.04	1086.32	0	80000	1086.3	1085.3	1009.462	1004.462	26.84219	35.78958	16
5	6	1858.838	1937.14	14961.04	1086.892	0	429.3803	1103.06	1103.06	1015.484	1010.484	25.20906	33.61208	0
5	7	1630.088	1690.513	14961.04	1087.539	-79.19995	429.3803	1101.4	1101.4	1021.528	1016.528	25.3401	33.7868	0
53	8	1375.675	1366.015	14961.04	1088.259	-79.19995	429.3803	1108.124	1108.124	1028.023	1023.023	22.0069	29.34254	0
5	9	1172.684	895.3057	14961.04	1089.014	-106.7999	429.3803	1117.502	1117.502	1035.305	1030.305	19.70634	26.27512	0
5	10	544.9316	337.3022	14961.04	1089.83	-8.75999	429.3803	1124.465	1124.465	1043.404	1038.404	9.938463	13.25128	0
53	11	115.2373	112.0984	14961.04	1091.176	-8.75999	429.3803	1134.845	1134.845	1051.83	1046.83	1.527201	2.036268	0
5	12	111.5054	111.6618	14961.04	1093.271	-8.75999	429.3803	1137.235	1137.235	1061.031	1056.031	1.89	2.52	0
5	13	107.1941	109.279	14961.04	1095.895	-8.75999	429.3803	1135.025	1135.025	1067.594	1062.594	1.89	2.52	0
53	14	107.0011	108.2876	14961.04	1099.251	-106.7999	429.3803	1127.445	1127.445	1070.593	1065.593	1.89	2.52	0
53	15	100.16	101.6104	14961.04	1102.561	-8.75999	429.3803	1112.432	1112.432	1075.693	1070.693	1.861161	2.481548	0
5	16	96.14943	153.0173	14961.04	1106.662	-8.75999	429.3803	1109.928	1109.928	1080.203	1075.203	1.551567	2.068756	0
5	17	210.8778	200.2036	14961.04	1109.677	-59.39995	429.3803	1130.828	1130.828	1086.854	1081.854	6.22976	4.153172	0
53	18	141.5828	447.2037	11220.78	1112.305	-2.279999	322.0352	1132.723	1132.723	1090.412	1085.412	5.795028	3.363608	0
5	19	109.0014	572.7344	7480.52	1113.706	-2.279999	214.6902	1137.619	1137.619	1093.986	1088.986	5.203728	21.12582	0
5	20	121.1939	837.4117	7480.52	1114.914	-4.379998	214.6902	1140.499	1140.499	1097.308	1092.344	5.22	35.42732	0

53	21	182.634	1209.476	7480.52	1115.769	-4.379998	214.6902	1144.084	1144.084	1096.233	1090.722	5.22	67.24424	0
53	2	246.4589	1461.164	7480.52	1116.395	-4.379998	214.6902	1146.707	1146.707	1098.443	1090.689	5.22	70.47556	0
53	23	251.5112	1264.757	7480.52	1116.948	-4.379998	214.6902	1148.212	1148.212	1100.804	1090.86	1.74	70	0
53	24	137.9815	1007.75	7480.52	1117.57	-17.51999	214.6902	1147.064	1147.064	1102.274	1091.119	3.48	35	0
53	5	200.4857	1031.36	7480.52	1118.344	-17.51999	214.6902	1145.363	1145.363	1102.785	1090.988	3.487652	35	0
53	6	198.9578	966.6788	7480.52	1119.097	-17.51999	214.6902	1144.627	1144.627	1102.557	1090.771	3.31476	35	0
53	27	185.8636	868.0294	7480.52	1119.875	-17.51999	214.6902	1144.5	1144.5	1100.761	1090.596	2.446816	35	0
53	28	176.5814	817.8942	7480.52	1120.718	-23.35998	214.6902	1144.5	1144.5	1099.591	1090.541	2.46	35	10
53	29	177.5487	616.8235	7480.52	1121.594	-17.51999	214.6902	1144.5	1144.5	1098.964	1090.485	2.46	35	10
53	30	95.45768	452.0403	7480.52	1122.764	-11.67999	214.6902	1144.5	1144.5	1099.1	1090.351	.615	17.5	10
53	31	100.7487	480.896	7480.52	1124.392	-11.67999	214.6902	1144.5	1144.5	1100.115	1090.244	.615	17.5	10
53	32	106.9221	493.23	7480.52	1125.968	-23.35998	214.6902	1144.517	1144.517	1099.657	1089.34	.615	17.5	10
53	33	108.729	550.399	7480.52	1127.547	-23.35998	214.6902	1144.122	1144.122	1099.609	1089.14	.609578	17.5	10
53	34	118.5248	641.5972	7480.52	1129.049	-23.35998	214.6902	1143.45	1143.45	1103.963	1090.525	.736893	17.5	10
53	35	131.7326	702.6121	7480.52	1130.413	-23.35998	214.6902	1143.5	1143.5	1106.678	1091.132	.799	17.5	10
53	36	139.3749	723.3771	7480.52	1131.685	-23.35998	214.6902	1143.5	1143.5	1106.665	1089.818	.799	17.5	10
53	37	145.2669	733.0669	7480.52	1132.906	-46.71996	214.6902	1143.5	1143.5	1106.299	1089.68	.799	17.5	10
53	38	149.9683	742.8302	7480.52	1134.043	-70.07996	214.6902	1143.466	1143.466	1107.009	1089.7	.799747	17.5	10
53	39	152.0068	723.5621	7480.52	1135.055	-70.07996	214.6902	1143.694	1143.694	1106.836	1089.7	.778418	17.5	10
53	40	225.0552	350.9015	11220.78	1135.969	-70.07996	322.0352	1144.107	1144.107	1105.899	1089.7	.724159	17.5	10
53	41	338.3799	331.2945	14961.04	1137.549	-36.47996	429.3803	1143.97	1143.97	1105.766	1089.7	.595601	17.5	10
53	42	314.2106	296.4561	14961.04	1138.968	-36.47996	429.3803	1144.492	1144.492	1105.424	1091.036	.416515	17.5	0
53	43	273.4432	273.6178	14961.04	1140.316	-36.47996	429.3803	1144.687	1144.687	1104.908	1092.3	.2604	17.5	0
53	44	275.4963	260.9016	14961.04	1141.57	-27.35998	429.3803	1149.237	1149.237	1104.47	1092.3	.184417	17.5	0
53	45	253.6499	258.6503	14961.04	1142.743	-18.23998	429.3803	1153.165	1153.165	1103.574	1092.31	.186485	17.5	0
53	46	257.5233	270.4058	14961.04	1143.854	-18.23998	429.3803	1153.364	1153.364	1103.59	1091.928	.28082	17.5	0
53	47	262.6777	281.6959	14961.04	1144.871	-18.23998	429.3803	1153.417	1153.417	1103.759	1091.603	.373455	17.5	0
53	48	261.011	267.7641	14961.04	1145.798	-18.23998	429.3803	1152.587	1152.587	1103.997	1091.67	.533648	17.5	0
53	49	232.3531	196.5562	14961.04	1146.676	-18.23998	429.3803	1152.5	1152.5	1103.061	1092.501	.606641	16.43689	0
53	50	165.2505	137.8141	14961.04	1147.641	-9.119992	429.3803	1152.79	1152.79	1101.495	1095.401	.614777	10.90568	0
54	1	135.3554	121.6817	14961.04	1148.789	-13.67999	429.3803	1152.143	1152.143	1100.759	1095.543	.622944	9.967048	0
53	52	97.77187	112.6044	14961.04	1150.022	-52.55998	429.3803	1150.538	1150.538	1101.276	1096.279	.632023	6.317786	0
53	53	102.1535	109.4256	14961.04	1151.245	-105.1199	429.3803	1155.096	1155.096	1099.839	1094.836	.631779	6.281135	0
53	54	97.76988	96.34714	14961.04	1151.829	-140.1599	429.3803	1155.232	1155.232	1098.092	1093.092	.632	4.545309	0
53	55	86.99292	86.75757	14961.04	1151.393	-140.1599	429.3803	1151.332	1151.332	1095.502	1090.502	.632	.665938	0
53	56	86.53377	86.09944	14961.04	1150.056	-140.1599	429.3803	1149.707	1149.707	1094.521	1089.521	.632	.632	0
53	57	85.65964	85.18988	14961.04	1148.605	-140.1599	429.3803	1148.305	1148.305	1094.045	1089.045	.632	.632	0
53	58	84.12691	84.12518	14961.04	1146.979	-140.1599	429.3803	1147.503	1147.503	1094.224	1089.224	.632	.632	0
53	59	83.55257	83.30495	14961.04	1145.129	-140.1599	429.3803	1144.631	1144.631	1093.884	1088.884	.632	.632	0
53	60	83.15707	82.71729	14961.04	1144.052	-140.1599	429.3803	1143.592	1143.592	1093.728	1088.728	.632	.632	9
53	61	82.5528	81.4172	14961.04	1142.922	-140.1599	429.3803	1143.518	1143.518	1093.364	1088.364	.632	.632	9
53	62	80.57195	79.03235	14961.04	1140.03	-140.1599	429.3803	1145.584	1145.584	1093.866	1088.866	.632	.632	0
53	63	77.68713	75.94328	14961.04	1135.402	-140.1599	429.3803	1146.017	1146.017	1093.404	1088.404	.632	.632	0
53	64	73.69841	74.21935	14961.04	1128.808	-140.1599	80000	1128.8	1127.8	1091.7	1086.7	.632	.632	20
54	1	3570.109	3660.328	14961.04	1095.481	-106.7999	80000	1095.5	1094.5	995.9852	990.9852	38.60253	51.47004	19
54	2	2963.787	2891.72	14961.04	1093.737	-106.7999	429.3803	1143.066	1143.066	998.717	993.717	31.14423	41.52564	0
54	3	2480.808	2449.564	14961.04	1091.369	-106.7999	429.3803	1138.129	1138.129	1001.352	996.3524	26.476	35.30134	0
54	4	2178.022	2164.782	14961.04	1088.657	0	429.3803	1123.298	1123.298	1006.327	1001.327	25.63041	34.17388	0
54	5	1852.571	1868.379	14961.04	1086.404	0	80000	1086.3	1085.3	1010.513	1005.513	24.0837	32.1116	16
54	6	1615.011	1551.786	14961.04	1086.671	0	429.3803	1104.794	1104.794	1016.991	1011.991	22.08324	29.44432	0
54	7	1357.438	1315.249	14961.04	1087.069	-79.19995	429.3803	1099.327	1099.327	1023.132	1018.132	19.15579	25.54106	0
54	8	1208.974	1182.344	14961.04	1087.665	-79.19995	429.3803	1103.55	1103.55	1030.849	1025.849	19.06065	25.4142	0
54	9	1072.77	822.3101	14961.04	1088.263	-79.19995	429.3803	1109.313	1109.313	1039.136	1034.136	19.41672	25.88896	0
54	10	519.3008	322.8667	14961.04	1088.826	-8.75999	429.3803	1116.107	1116.107	1045.942	1040.942	9.823938	13.09858	0
54	11	114.8037	114.6443	14961.04	1089.819	-8.75999	429.3803	1122.108	1122.108	1053.411	1048.411	1.89	2.52	0
54	12	105.0571	107.0377	14961.04	1092.291	-8.75999	429.3803	1128.289	1128.289	1063.726	1058.726	1.89	2.52	0
54	13	103.6472	104.9162	14961.04	1095.097	-8.75999	429.3803	1135.463	1135.463	1068.402	1063.402	1.89	2.52	0
54	14	98.12337	98.87351	14961.04	1098.406	-106.7999	429.3803	1124.853	1124.853	1072.468	1067.468	1.85608	2.474774	0
54	15	92.52019	94.69907	14961.04	1101.558	-8.75999	429.3803	1110.667	1110.667	1076.524	1071.524	1.554195	2.07226	0
54	16	94.5999	154.0099	14961.04	1105.291	-8.75999	429.3803	1123.755	1123.755	1079.454	1074.454	1.56	2.08	0

54	17	201.3169	199.4513	14961.04	1107.867	-3.419997	429.3803	1133.448	1133.448	1083.803	1078.803	6.07476	4.04984	0
54	18	142.1725	366.3561	11220.78	1110.097	-2.279999	322.0352	1137.933	1137.933	1086.51	1081.51	5.206816	3.471212	0
54	19	92.85538	348.0469	7480.52	1111.404	-2.279999	214.6902	1140.552	1140.552	1089.31	1084.31	5.22	3.48	0
54	20	89.91374	377.9	7480.52	1112.775	-4.379998	214.6902	1142.823	1142.823	1092.026	1087.026	5.22	2.479192	0
54	21	99.4882	506.8957	7480.52	1114.05	-4.379998	214.6902	1146.337	1146.337	1094.539	1089.537	5.22	11.92244	0
54	22	121.4418	530.7169	7480.52	1114.986	-4.379998	214.6902	1146.19	1146.19	1096.317	1091.319	5.22	30.28248	0
54	23	84.72708	493.2141	7480.52	1115.891	-4.379998	214.6902	1146.787	1146.787	1097.662	1092.782	1.74	31.3223	0
54	24	99.39815	546.119	7480.52	1116.758	-17.51999	214.6902	1147.449	1147.449	1094.806	1090.497	3.49378	31.27174	0
54	25	102.9544	566.4142	7480.52	1117.609	-17.51999	214.6902	1146.977	1146.977	1095.686	1090.603	3.400144	32.15016	0
54	26	101.569	572.6069	7480.52	1118.461	-17.51999	214.6902	1145.353	1145.353	1095.934	1090.53	2.50642	32.4311	0
54	27	113.8873	581.7507	7480.52	1119.313	-17.51999	214.6902	1144.367	1144.367	1095.401	1090.175	2.46	35.47692	0
54	28	111.3622	598.626	7480.52	1120.203	-17.51999	214.6902	1144.089	1144.089	1096.141	1090.596	2.46	32.75922	10
54	29	113.7814	475.202	7480.52	1121.119	-11.67999	214.6902	1143.528	1143.528	1096.101	1090.339	2.46	34.6272	10
54	30	62.68975	332.7852	7480.52	1122.338	-11.67999	214.6902	1143.453	1143.453	1096.041	1090.253	.615	17.5	10
54	31	63.48692	349.7873	7480.52	1124.092	-11.67999	214.6902	1143.453	1143.453	1095.934	1090.143	.615	17.5	10
54	32	72.49558	369.3745	7480.52	1125.767	-23.35998	214.6902	1143.454	1143.454	1095.9	1089.254	.615	17.5	10
54	33	72.21085	358.6162	7480.52	1127.341	-23.35998	214.6902	1143.473	1143.473	1096.103	1089.281	.609578	17.5	10
54	34	70.46745	359.4323	7480.52	1128.917	-23.35998	214.6902	1143.5	1143.5	1096.358	1090.665	.736893	17.5	10
54	35	78.27122	381.8176	7480.52	1130.433	-23.35998	214.6902	1143.5	1143.5	1097.652	1091.215	.799	17.5	10
54	36	79.96261	415.1901	7480.52	1131.844	-23.35998	214.6902	1143.5	1143.5	1097.575	1090.798	.799	17.5	10
54	37	92.85475	447.874	7480.52	1133.149	-46.71996	214.6902	1143.5	1143.5	1098.015	1089.761	.799	17.5	10
54	38	100.3277	465.0701	7480.52	1134.315	-70.07996	214.6902	1143.5	1143.5	1098.277	1089.7	.799	17.5	10
54	39	106.268	484.6121	7480.52	1135.344	-70.07996	214.6902	1143.492	1143.492	1098.873	1089.7	.800537	17.5	10
54	40	170.3813	287.5519	11220.78	1136.252	-70.07996	322.0352	1144.346	1144.346	1099.531	1089.7	.718635	17.5	10
54	41	274.5799	321.296	14961.04	1137.719	-36.47996	429.3803	1144.513	1144.513	1104.688	1089.7	.542605	17.5	10
54	42	275.3026	291.1977	14961.04	1139.039	-36.47996	429.3803	1144.5	1144.5	1104.266	1089.671	.302214	17.5	10
54	43	264.8257	275.3216	14961.04	1140.346	-36.47996	429.3803	1144.775	1144.775	1104.235	1092.112	.203676	17.5	0
54	44	268.0123	268.2446	14961.04	1141.592	-27.35998	429.3803	1146.598	1146.598	1103.947	1092.3	.791594	17.5	0
54	45	251.0538	252.523	14961.04	1142.78	-35.03996	429.3803	1152.607	1152.607	1103.461	1092.3	.254212	17.5	0
54	46	236.4032	249.7953	14961.04	1143.942	-35.03996	429.3803	1153.405	1153.405	1103.047	1092.214	.308418	17.5	0
54	47	225.1518	241.9928	14961.04	1145.038	-35.03996	429.3803	1154.076	1154.076	1102.881	1092.158	.29021	17.5	0
54	48	216.6851	225.6	14961.04	1146.074	-35.03996	429.3803	1156.863	1156.863	1101.189	1091.738	.474428	17.5	0
54	49	202.7898	201.0474	14961.04	1147.083	-35.03996	429.3803	1158.442	1158.442	1099.788	1091.695	.568348	17.33845	0
54	50	184.8764	162.7918	14961.04	1148.107	-26.27998	429.3803	1158.981	1158.981	1097.672	1091.551	.608709	17.46782	0
54	51	140.5435	111.4456	14961.04	1149.217	-35.03998	429.3803	1157.998	1157.998	1098.665	1093.312	.618619	11.03612	0
54	52	94.87634	87.32097	14961.04	1150.545	-52.55998	429.3803	1156.134	1156.134	1100.586	1095.583	.617026	.650383	0
54	53	90.79231	90.49774	14961.04	1151.879	-105.1199	429.3803	1158.177	1158.177	1099.046	1094.046	.628414	1.748673	0
54	54	87.96574	88.41566	14961.04	1152.532	-140.1599	429.3803	1157.626	1157.626	1097.807	1092.807	.632057	1.285075	9
54	55	86.9964	86.76911	14961.04	1152.259	-140.1599	429.3803	1153.956	1153.956	1096.704	1091.704	.632	.632	0
54	56	86.38866	86.09396	14961.04	1151.005	-140.1599	429.3803	1153.009	1153.009	1095.579	1090.579	.632	.632	0
54	57	85.21832	84.59666	14961.04	1148.958	-140.1599	429.3803	1150.172	1150.172	1094.962	1089.962	.632	.632	0
54	58	83.33525	83.55429	14961.04	1145.696	-140.1599	429.3803	1144.578	1144.578	1094.726	1089.726	.632	.632	0
54	59	83.36674	83.40469	14961.04	1145.224	-140.1599	429.3803	1144.894	1144.894	1094.31	1089.31	.632	.632	0
54	60	83.25168	82.99258	14961.04	1144.769	-140.1599	429.3803	1144.689	1144.689	1094.047	1089.047	.632	.632	9
54	61	82.45877	81.70753	14961.04	1143.474	-140.1599	429.3803	1144.536	1144.536	1093.642	1088.642	.632	.632	9
54	62	80.62437	79.22673	14961.04	1140.618	-140.1599	429.3803	1145.783	1145.783	1093.92	1088.92	.632	.632	0
54	63	77.65398	75.44225	14961.04	1136.018	-140.1599	429.3803	1146.076	1146.076	1094.232	1089.232	.632	.632	0
54	64	73.30486	73.17747	14961.04	1129.408	-140.1599	80000	1129.4	1128.4	1095.067	1090.067	.632	.632	20
55	1	2766.684	2873.569	14961.04	1096.972	-106.7999	80000	1097.1	1096.1	997.5297	992.5297	28.14791	37.53054	19
55	2	2590.499	2552.875	14961.04	1094.779	-106.7999	429.3803	1142.063	1142.063	1000.079	995.0786	26.6772	35.5696	0
55	3	2331.054	2209.266	14961.04	1092.611	-106.7999	429.3803	1137.933	1137.933	1002.887	997.8868	24.32022	32.42696	0
55	4	1967.665	1865.811	14961.04	1090.305	-106.7999	429.3803	1124.083	1124.083	1007.629	1002.629	22.55787	30.07716	0
55	5	1631.006	1599.203	14961.04	1088.106	-106.7999	429.3803	1111.999	1111.999	1012.212	1007.212	20.05037	26.73382	0
55	6	1460.551	1420.664	14961.04	1086.345	-106.7999	80000	1086.3	1085.3	1018.55	1013.55	19.87439	26.49918	16
55	7	1311.309	1251.163	14961.04	1086.324	0	80000	1086.3	1085.3	1024.694	1019.694	18.97106	25.29474	16
55	8	1147.128	1099.4	14961.04	1086.988	0	429.3803	1097.614	1097.614	1033.456	1028.456	18.9	25.2	0
55	9	989.9913	769.7609	14961.04	1087.595	-106.7999	429.3803	1103.514	1103.514	1042.94	1037.94	19.25768	25.6769	0
55	10	641.5211	311.2378	14961.04	1088.03	-8.75999	429.3803	1114.329	1114.329	1048.957	1043.957	10.38973	13.85297	0
55	11	297.455	105.2166	14961.04	1088.705	-8.75999	429.3803	1121.846	1121.846	1056.002	1051.002	1.740627	2.320836	0
55	12	105.1509	101.6666	14961.04	1091.01	-8.75999	429.3803	1121.78	1121.78	1066.163	1061.163	1.89	2.52	0

55	13	97.05904	96.85435	14961.04	1093.738	-8.75999	429.3803	1134.287	1134.287	1069.423	1064.423	1.89193	2.522574	0
55	14	90.59854	91.77005	14961.04	1096.762	-8.75999	429.3803	1121.452	1121.452	1072.455	1067.455	1.569746	2.092994	0
55	15	90.7663	92.42102	14961.04	1099.929	-8.75999	429.3803	1115.855	1115.855	1076.487	1071.487	1.56	2.08	0
55	16	90.64114	141.9069	14961.04	1103.359	-8.75999	429.3803	1132.74	1132.74	1078.915	1073.915	1.561321	2.081762	0
55	17	188.5965	191.429	14961.04	1105.721	-6.569995	429.3803	1135.91	1135.91	1081.438	1076.438	5.249312	3.49954	0
5	8	144.2636	384.192	11220.78	1107.654	-4.379998	322.0352	1140.057	1140.057	1082.854	1077.854	5.22	3.48	0
55	19	96.34425	383.0295	7480.52	1108.708	-4.379998	214.6902	1142.945	1142.945	1084.121	1079.121	5.22	3.48	0
55	20	97.19388	379.7078	7480.52	1109.804	-4.379998	214.6902	1144.814	1144.814	1085.326	1080.326	5.22	3.48	0
55	21	97.27724	376.8242	7480.52	1110.943	-4.379998	214.6902	1145.465	1145.465	1087.113	1082.113	5.22	3.48	0
55	22	98.08179	293.9584	7480.52	1112.056	-4.379998	214.6902	1145.28	1145.28	1088.247	1083.247	5.22	3.48	0
55	23	53.10481	243.2868	7480.52	1113.333	-4.379998	214.6902	1144.532	1144.532	1089.254	1084.254	1.75136	3.250072	0
55	24	65.50781	263.2911	7480.52	1114.685	-17.51999	214.6902	1145.054	1145.054	1091.12	1086.12	3.194556	3.018466	0
55	25	60.81367	251.6793	7480.52	1115.855	-17.51999	214.6902	1144.7	1144.7	1093.345	1088.345	2.533636	4.1099	0
55	26	61.07475	289.2182	7480.52	1116.998	-17.51999	214.6902	1143.968	1143.968	1094.274	1089.274	2.451772	4.474494	0
55	27	71.36829	319.2474	7480.52	1118.003	-13.13999	214.6902	1141.811	1141.811	1095.069	1089.996	2.46	11.50276	0
55	28	70.02328	301.9486	7480.52	1118.967	-11.67999	214.6902	1141.618	1141.618	1094.591	1089.571	2.46	9.579596	0
55	29	67.51834	230.6828	7480.52	1120.022	-11.67999	214.6902	1142.295	1142.295	1093.749	1089.068	2.46	7.05748	10
55	30	38.3992	171.9215	7480.52	1121.444	-11.67999	214.6902	1142.736	1142.736	1093.997	1089.366	.615	4.301069	10
55	31	39.47459	194.1427	7480.52	1123.406	-11.67999	214.6902	1143.4	1143.4	1094.33	1089.645	.615	4.45471	10
55	32	45.61196	209.4513	7480.52	1125.227	-23.35998	214.6902	1143.5	1143.5	1094.746	1089.859	.615	8.219653	10
55	33	44.65926	212.097	7480.52	1126.946	-23.35998	214.6902	1143.5	1143.5	1095.255	1090.448	.612211	7.174969	10
55	34	47.32548	235.5223	7480.52	1128.667	-23.35998	214.6902	1143.5	1143.5	1095.912	1091.245	.731436	7.994923	10
55	35	53.25472	251.1177	7480.52	1130.263	-23.35998	214.6902	1143.36	1143.36	1097.891	1092.93	.804583	10.23046	10
55	36	53.93648	276.0793	7480.52	1131.803	-23.35998	214.6902	1142.603	1142.603	1098.027	1093.049	.799	9.943874	10
55	37	62.63004	324.856	7480.52	1133.25	-46.71996	214.6902	1142.421	1142.421	1095.669	1090.82	.799	14.88447	10
55	38	74.72583	361.3127	7480.52	1134.466	-70.07996	214.6902	1142.425	1142.425	1094.938	1089.608	.799	17.71182	10
55	39	80.19734	394.8098	7480.52	1135.483	-70.07996	214.6902	1142.417	1142.417	1095.826	1089.7	.799024	17.5	10
55	40	140.0182	214.203	11220.78	1136.329	-70.07996	322.0352	1143.228	1143.228	1097.14	1089.7	.746683	17.5	10
55	41	202.9542	228.5865	14961.04	1137.793	-70.07996	429.3803	1144.004	1144.004	1098.346	1089.7	.536935	17.5	10
55	42	219.2103	248.9305	14961.04	1139.151	-70.07996	429.3803	1144.248	1144.248	1099.805	1089.7	.28934	17.5	10
5	3	237.1494	257.5164	14961.04	1140.389	-36.47996	429.3803	1145.311	1145.311	1101.569	1089.901	.23024	17.5	10
5	4	236.0582	250.8215	14961.04	1141.607	-52.55996	429.3803	1145.578	1145.578	1102.614	1092.252	.603348	17.5	10
55	45	215.734	234.934	14961.04	1142.782	-35.03996	429.3803	1148.335	1148.335	1101.671	1092.311	.86201	17.5	0
55	46	198.3102	211.7597	14961.04	1143.978	-35.03996	429.3803	1153.778	1153.778	1100.954	1092.316	.509213	17.5	0
55	47	184.8345	199.8441	14961.04	1145.183	-35.03996	429.3803	1158.92	1158.92	1100.353	1092.304	.282963	17.41801	0
55	48	176.7694	193.8749	14961.04	1146.357	-35.03996	429.3803	1160.353	1160.353	1099.673	1092.231	.445546	17.26112	0
55	49	166.677	186.6188	14961.04	1147.488	-52.55996	429.3803	1163.594	1163.594	1098.866	1092.102	.537801	16.97834	0
55	50	157.7	162.6281	14961.04	1148.52	-35.03998	429.3803	1170.065	1170.065	1097.594	1091.673	.606368	17.56163	0
55	51	132.2791	123.9742	14961.04	1149.614	-35.03998	429.3803	1164.961	1164.961	1098.09	1092.713	.61673	11.36369	0
55	52	109.7775	98.34769	14961.04	1150.865	-52.55998	429.3803	1158.112	1158.112	1098.799	1093.789	.61701	4.986837	0
55	53	92.79376	88.26031	14961.04	1152.066	-105.1199	429.3803	1154.291	1154.291	1097.456	1092.456	.619782	1.566381	9
55	54	85.63316	86.54648	14961.04	1152.669	-140.1599	429.3803	1153.489	1153.489	1096.714	1091.714	.624568	.484161	9
55	55	86.77177	86.61594	14961.04	1152.486	-140.1599	429.3803	1155.393	1155.393	1096.719	1091.719	.631991	.631991	9
55	56	86.25813	85.51302	14961.04	1151.112	-72.9599	429.3803	1152.989	1152.989	1096.748	1091.748	.631704	.631704	0
55	57	84.9015	83.9569	14961.04	1148.84	-72.9599	429.3803	1149.448	1149.448	1096.487	1091.487	.632	.632	9
55	58	83.12177	83.14771	14961.04	1145.643	-140.1599	429.3803	1144.633	1144.633	1095.976	1090.976	.632	.632	0
55	59	82.90074	83.21374	14961.04	1145.321	-140.1599	429.3803	1145.005	1145.005	1095.053	1090.053	.632	.632	0
55	60	82.7679	82.71786	14961.04	1145.054	-140.1599	429.3803	1145.005	1145.005	1094.78	1089.78	.632	.632	0
55	61	82.15846	81.3756	14961.04	1143.852	-140.1599	429.3803	1144.528	1144.528	1095.204	1090.204	.632	.632	9
55	62	80.46387	79.05162	14961.04	1141.095	-140.1599	429.3803	1145.25	1145.25	1095.212	1090.212	.632	.632	9
55	63	77.63403	75.51659	14961.04	1136.556	-140.1599	429.3803	1145.794	1145.794	1095.29	1090.29	.632	.632	0
55	64	73.52434	73.43224	14961.04	1129.908	-140.1599	80000	1129.9	1128.9	1095.213	1090.213	.632	.632	20
5	1	2491.389	2483.614	14961.04	1097.448	-106.7999	80000	1097.5	1096.5	998.8456	993.8457	23.66013	31.54684	19
56	2	2353.423	2368.679	14961.04	1095.633	-106.7999	429.3803	1142.167	1142.167	1001.21	996.2098	23.93748	31.91664	0
56	3	2149.944	2089.453	14961.04	1093.697	-106.7999	429.3803	1137.705	1137.705	1004.076	999.0758	23.46822	31.29096	0
5		1833.013	1732.86	14961.04	1091.572	-106.7999	429.3803	1121.621	1121.621	1009.076	1004.076	20.85789	27.81052	0
5	5	1569.693	1492.354	14961.04	1089.185	-106.7999	429.3803	1107.298	1107.298	1013.957	1008.957	18.85902	25.14536	0
56	6	1389.131	1351.196	14961.04	1086.451	-106.7999	80000	1086.4	1085.4	1020.253	1015.253	18.8896	25.18614	16
5	7	1276.798	1207.274	14961.04	1086.4	0	80000	1086.4	1085.4	1026.426	1021.426	18.9	25.2	16
5	8	1103.412	1037.72	14961.04	1086.417	0	80000	1086.4	1085.4	1035.66	1030.66	18.9	25.2	16

56	0	936.3876	861.7516	14961.04	1087.099	-106.7999	429.3803	1102.71	1102.71	1045.216	1040.216	18.87685	25.16914	0
56	0	820.906	627.7383	14961.04	1087.568	-106.7999	429.3803	1112.034	1112.034	1050.291	1045.291	16.61897	22.15862	0
56	11	538.1712	297.3893	14961.04	1088.136	-106.7999	429.3803	1120.286	1120.286	1057.158	1052.158	11.84598	15.79464	0
56	12	105.3543	100.5433	14961.04	1089.316	-8.75999	429.3803	1124.266	1124.266	1066.268	1061.268	2.229282	2.972376	0
56	3	89.57048	90.80323	14961.04	1092.041	-8.75999	429.3803	1127.779	1127.779	1069.649	1064.649	1.707441	2.276588	0
5	4	87.76024	89.5948	14961.04	1094.914	-8.75999	429.3803	1122.876	1122.876	1072.44	1067.44	1.560459	2.080612	0
56	15	90.04584	88.98642	14961.04	1097.889	-8.75999	429.3803	1125.944	1125.944	1075.145	1070.145	1.565858	2.08781	0
56	16	88.68251	137.3308	14961.04	1101.055	-4.559995	429.3803	1132.304	1132.304	1077.235	1072.235	1.418811	1.891748	0
56	7	188.8031	189.5191	14961.04	1103.216	-6.569995	429.3803	1138.55	1138.55	1079.361	1074.361	5.22	3.48	0
56	18	146.342	385.8881	11220.78	1104.986	-4.379998	322.0352	1140.853	1140.853	1080.14	1075.14	5.22	3.48	0
56	19	98.89095	391.123	7480.52	1105.928	-4.379998	214.6902	1143.524	1143.524	1080.817	1075.817	5.22	3.48	0
56	0	101.0205	398.1766	7480.52	1106.896	-4.379998	214.6902	1145.355	1145.355	1081.085	1076.085	5.22	3.48	0
56	1	103.0116	404.6119	7480.52	1107.872	-4.379998	214.6902	1145.593	1145.593	1081.435	1076.435	5.22	3.48	0
56	22	103.1544	310.788	7480.52	1108.84	-4.379998	214.6902	1144.627	1144.627	1082.009	1077.009	5.250472	3.500316	0
56	3	52.18289	231.1637	7480.52	1110.063	-4.379998	214.6902	1142.812	1142.812	1083.184	1078.184	1.65805	3.3161	0
56	4	63.05645	241.9948	7480.52	1111.609	-17.51999	214.6902	1143.056	1143.056	1084.816	1079.816	2.666724	1.333362	0
56	25	61.34172	235.8743	7480.52	1112.943	-17.51999	214.6902	1143.316	1143.316	1086.476	1081.476	2.461364	1.230682	0
56	26	61.44421	240.554	7480.52	1114.245	-13.13999	214.6902	1143.17	1143.17	1087.884	1082.884	2.46	1.299652	0
56	7	62.44711	246.3189	7480.52	1115.504	-8.759993	214.6902	1142.67	1142.67	1089.226	1084.226	2.46	2.15129	10
56	28	62.81731	248.2178	7480.52	1116.692	-11.67999	214.6902	1142.416	1142.416	1089.891	1084.891	2.46	2.15129	10
56	29	63.50929	192.9874	7480.52	1117.873	-11.67999	214.6902	1142.136	1142.136	1089.08	1084.08	2.46	1.29965	10
56	30	34.51381	139.5737	7480.52	1119.446	-11.67999	214.6902	1141.74	1141.74	1089.46	1084.46	.615	.615	10
56	31	35.34556	146.2035	7480.52	1121.621	-11.67999	214.6902	1142.205	1142.205	1090.255	1085.255	.615	.869487	10
56	32	36.65604	151.6336	7480.52	1123.72	-23.35998	214.6902	1142.894	1142.894	1091.015	1086.015	.615	1.541142	10
56	33	37.08794	155.8419	7480.52	1125.687	-23.35998	214.6902	1143.276	1143.276	1091.863	1086.863	.615246	1.583894	10
56	34	38.34409	166.7985	7480.52	1127.591	-23.35998	214.6902	1143.398	1143.398	1093.028	1088.028	.652291	1.812044	10
56	35	41.5742	177.6471	7480.52	1129.377	-23.35998	214.6902	1143.221	1143.221	1094.857	1089.857	.769434	2.499722	10
56	36	43.07931	190.1868	7480.52	1131.085	-23.35998	214.6902	1142.858	1142.858	1095.402	1090.423	.802665	2.673541	10
56	37	46.23441	224.5675	7480.52	1132.742	-46.71996	214.6902	1142.527	1142.527	1095.268	1090.353	.799	4.385279	10
56	38	54.40134	258.38	7480.52	1134.118	-70.07996	214.6902	1142.5	1142.5	1095.52	1090.561	.799	9.168024	10
5	39	58.12233	299.3614	7480.52	1135.22	-70.07996	214.6902	1142.5	1142.5	1096.458	1091.317	.798985	10.52978	10
56	40	112.3334	175.4421	11220.78	1136.08	-70.07996	322.0352	1142.428	1142.428	1094.585	1089.724	.782103	17.48771	10
56	41	160.7866	193.578	14961.04	1137.57	-70.07996	429.3803	1142.367	1142.367	1096.104	1089.7	.600302	17.5	10
56	42	165.789	207.4292	14961.04	1138.989	-70.07996	429.3803	1143.225	1143.225	1097.576	1089.7	.383926	17.5	10
56	43	177.1482	215.6912	14961.04	1140.266	-36.47996	429.3803	1144.399	1144.399	1098.642	1089.711	.201012	17.5	10
56	44	190.8014	200.9707	14961.04	1141.489	-52.55996	429.3803	1145.586	1145.586	1099.463	1090.365	.259327	17.5	0
56	45	165.5239	179.1102	14961.04	1142.69	-35.03996	429.3803	1147.104	1147.104	1098.953	1092.151	.358293	17.5	0
56	46	154.1658	171.385	14961.04	1143.979	-35.03996	429.3803	1153.065	1153.065	1098.498	1092.327	.40778	17.40968	0
56	47	144.6894	161.7598	14961.04	1145.286	-35.03996	429.3803	1158.56	1158.56	1098.482	1092.536	.41417	16.78245	0
56	48	133.2671	149.5716	14961.04	1146.596	-52.55996	429.3803	1160.862	1160.862	1099.456	1093.697	.669153	13.00578	0
56	49	124.0736	137.7581	14961.04	1147.829	-70.07996	429.3803	1164.614	1164.614	1099.524	1094.026	.748461	10.60945	0
56	50	118.9492	127.3509	14961.04	1148.876	-35.03998	429.3803	1170.036	1170.036	1099.014	1093.723	.63455	9.671155	0
56	51	113.5627	118.0823	14961.04	1149.946	-35.03998	429.3803	1165.128	1165.128	1098.216	1093.071	.621686	8.106994	0
56	52	104.7896	104.2235	14961.04	1150.999	-52.55998	429.3803	1156.776	1156.776	1097.886	1092.874	.617	6.320657	0
56	53	92.27367	90.16661	14961.04	1151.814	-105.1199	429.3803	1151.729	1151.729	1096.399	1091.399	.616697	2.465398	9
56	54	85.37184	85.85846	14961.04	1151.982	-140.1599	429.3803	1151.54	1151.54	1095.842	1090.842	.618224	.410935	9
56	55	86.31641	86.41396	14961.04	1152.288	-140.1599	429.3803	1155.395	1155.395	1096.239	1091.239	.621114	.621114	9
56	56	86.22549	85.64661	14961.04	1151.246	-140.1599	429.3803	1152.047	1152.047	1096.067	1091.067	.628551	.628551	0
56	57	85.09791	84.06638	14961.04	1148.734	-140.1599	429.3803	1148.233	1148.233	1096.176	1091.176	.632357	.632357	9
56	58	83.60493	82.8748	14961.04	1146.218	-140.1599	429.3803	1145.433	1145.433	1096.537	1091.537	.632144	.632144	0
56	59	82.67183	82.4549	14961.04	1145.31	-140.1599	429.3803	1144.763	1144.763	1096.647	1091.647	.632	.632	0
56	60	82.21146	82.2085	14961.04	1144.83	-140.1599	429.3803	1144.484	1144.484	1096.431	1091.431	.632	.632	0
56	61	81.93141	81.24673	14961.04	1144.049	-140.1599	429.3803	1144.528	1144.528	1095.927	1090.927	.632	.632	9
56	62	80.41344	79.04628	14961.04	1141.5	-140.1599	429.3803	1144.823	1144.823	1096.001	1091.001	.632	.632	0
56	63	77.74593	75.64178	14961.04	1137.134	-140.1599	429.3803	1145.441	1145.441	1095.999	1090.999	.632	.632	0
5	4	73.78717	73.61643	14961.04	1130.708	-140.1599	80000	1130.7	1129.7	1095.974	1090.974	.632	.632	20
5	1	2365.68	2361.197	14961.04	1098.075	-106.7999	80000	1098.1	1097.1	999.7552	994.7552	23.20017	30.93356	19
57	2	2146.423	2134.688	14961.04	1096.561	-106.7999	429.3803	1136.52	1136.52	1001.629	996.6295	21.94633	29.26178	0
5	3	1916.118	1893.503	14961.04	1094.758	-106.7999	429.3803	1130.678	1130.678	1005.078	1000.078	20.56695	27.4226	0
5	4	1738.964	1669.846	14961.04	1092.707	-106.7999	429.3803	1117.249	1117.249	1010.523	1005.523	19.64508	26.19344	0

57	5	1561.113	1466.47	14961.04	1090.201	-106.7999	429.3803	1104.898	1104.898	1015.728	1010.728	18.88105	25.17474	0
57	6	1384.793	1314.734	14961.04	1086.522	-106.7999	80000	1086.4	1085.4	1022.043	1017.043	18.7827	25.0436	16
57	7	1260.026	1172.937	14961.04	1086.433	0	80000	1086.4	1085.4	1028.237	1023.237	18.9	25.2	16
57	8	1080.224	1002.08	14961.04	1086.42	0	80000	1086.4	1085.4	1037.56	1032.56	18.9	25.2	16
57	9	893.3451	895.542	14961.04	1086.786	0	429.3803	1095.492	1095.492	1047.452	1042.452	19.13391	25.51188	0
5	0	822.619	731.3389	14961.04	1087.136	-106.7999	429.3803	1105.599	1105.599	1052.245	1047.245	20.05164	26.73552	0
57	11	570.4684	346.1362	14961.04	1087.634	-106.7999	429.3803	1116.188	1116.188	1058.389	1053.389	15.3005	20.40066	0
57	12	186.9396	94.3815	14961.04	1088.274	-8.75999	429.3803	1118.289	1118.289	1066.388	1061.388	2.098459	2.797946	0
57	13	149.4794	86.52748	14961.04	1090.252	-8.75999	429.3803	1116.857	1116.857	1069.759	1064.759	1.604022	2.138696	0
57	14	88.56783	88.21127	14961.04	1092.847	-8.75999	429.3803	1121.063	1121.063	1071.913	1066.913	1.56	2.08	0
57	15	90.87726	89.74193	14961.04	1095.572	-8.75999	429.3803	1128.877	1128.877	1073.428	1068.428	1.602566	2.136754	0
57	16	88.66226	140.1548	14961.04	1098.492	-4.559995	429.3803	1135.762	1135.762	1074.428	1069.428	1.48377	1.97836	0
57	17	191.5873	194.4066	14961.04	1100.48	-6.569995	429.3803	1140.297	1140.297	1075.733	1070.733	5.22	3.48	0
57	18	149.6415	399.9211	11220.78	1102.144	-2.279999	322.0352	1141.309	1141.309	1076.005	1071.005	5.22	3.48	0
57	19	102.1101	408.5229	7480.52	1103.042	-4.379998	214.6902	1143.516	1143.516	1076.182	1071.182	5.22	3.48	0
57	20	104.5937	417.952	7480.52	1103.971	-4.379998	214.6902	1145.564	1145.564	1076.191	1071.191	5.22	3.48	0
57	21	105.2294	420.0523	7480.52	1104.916	-4.379998	214.6902	1146.042	1146.042	1076.489	1071.489	5.257244	3.504828	0
57	22	101.9794	310.5613	7480.52	1105.866	-4.379998	214.6902	1146.001	1146.001	1076.996	1071.996	5.103264	3.402176	0
57	23	50.43181	229.7936	7480.52	1107.1	-4.379998	214.6902	1145.319	1145.319	1077.416	1072.416	1.441814	2.883628	0
57	24	65.87726	255.5979	7480.52	1108.693	-17.51999	214.6902	1143.715	1143.715	1077.979	1072.979	2.50852	1.25426	0
57	25	66.38039	255.2694	7480.52	1110.049	-13.13999	214.6902	1141.475	1141.475	1078.922	1073.922	2.46	1.23	0
57	26	66.47314	255.0113	7480.52	1111.373	-8.759993	214.6902	1141.205	1141.205	1080.341	1075.341	2.46	1.23	10
57	27	66.22533	254.7388	7480.52	1112.685	-8.759993	214.6902	1141.547	1141.547	1081.92	1076.92	2.46	1.23	10
57	28	66.04685	257.0885	7480.52	1113.981	-11.67999	214.6902	1142.359	1142.359	1083.313	1078.313	2.46	1.23	10
57	29	66.69505	199.105	7480.52	1115.253	-11.67999	214.6902	1141.77	1141.77	1083.683	1078.683	2.46	1.23	0
57	30	34.8607	139.8638	7480.52	1116.904	-11.67999	214.6902	1141.235	1141.235	1083.698	1078.698	.615	.615	0
57	31	35.37917	141.8029	7480.52	1119.211	-11.67999	214.6902	1141.544	1141.544	1084.638	1079.638	.615	.615	0
57	32	35.79899	143.3423	7480.52	1121.459	-23.35998	214.6902	1142.45	1142.45	1085.83	1080.83	.615	.615	0
57	33	36.1103	145.8861	7480.52	1123.595	-23.35998	214.6902	1143.005	1143.005	1087.035	1082.035	.610521	.610521	10
57	34	37.14629	152.8747	7480.52	1125.638	-23.35998	214.6902	1143.173	1143.173	1088.573	1083.573	.640801	.640801	10
57	35	39.60975	160.967	7480.52	1127.559	-23.35998	214.6902	1142.524	1142.524	1090.412	1085.412	.751046	.751046	10
57	36	41.19176	167.0681	7480.52	1129.385	-23.35998	214.6902	1142.453	1142.453	1091.432	1086.432	.80201	.80201	10
57	37	42.16714	177.9755	7480.52	1131.185	-46.71996	214.6902	1142.627	1142.627	1092.305	1087.305	.799	1.258698	10
57	38	44.29396	191.7147	7480.52	1132.808	-70.07996	214.6902	1142.514	1142.514	1093.212	1088.212	.799	2.668971	10
57	39	46.26717	232.6837	7480.52	1134.141	-70.07996	214.6902	1142.5	1142.5	1094.21	1089.238	.799	3.778254	10
57	40	89.28308	135.1224	11220.78	1135.117	-70.07996	322.0352	1142.5	1142.5	1094.298	1089.577	.796741	11.25657	10
57	41	119.8212	132.9976	14961.04	1136.776	-70.07996	429.3803	1142.473	1142.473	1095.449	1090.187	.699777	11.23741	10
57	42	111.9834	135.508	14961.04	1138.418	-70.07996	429.3803	1142.807	1142.807	1096.719	1090.874	.53889	10.03703	10
57	43	123.637	152.2584	14961.04	1139.909	-70.07996	429.3803	1144.145	1144.145	1096.156	1090.591	.394285	13.60829	10
57	44	140.3229	155.3546	14961.04	1141.19	-52.55996	429.3803	1145.734	1145.734	1095.334	1089.823	.305846	18.29634	0
57	45	133.0083	140.5795	14961.04	1142.429	-35.03996	429.3803	1148.52	1148.52	1095.358	1090.607	.308936	17.81264	0
57	46	120.0889	127.4702	14961.04	1143.801	-35.03996	429.3803	1153.04	1153.04	1096.75	1091.976	.427836	13.55745	0
57	47	107.5338	116.1967	14961.04	1145.266	-52.55996	429.3803	1157.464	1157.464	1098.122	1093.074	.549321	9.218968	0
57	48	99.43007	107.7691	14961.04	1146.727	-70.07996	429.3803	1160.871	1160.871	1098.266	1093.281	.695939	5.67856	0
57	49	97.91223	105.2647	14961.04	1148.05	-70.07996	429.3803	1164.042	1164.042	1097.649	1092.678	.788748	3.200145	0
57	50	104.3301	105.161	14961.04	1149.124	-35.03998	429.3803	1166.891	1166.891	1096.038	1091.068	.816569	2.844974	0
57	51	104.0763	100.27	14961.04	1150.131	-35.03998	429.3803	1161.841	1161.841	1094.832	1089.84	.739056	3.040622	9
57	52	95.80263	92.83975	14961.04	1151.015	-52.55998	429.3803	1155.341	1155.341	1094.274	1089.274	.61896	2.591982	9
57	53	89.03858	87.4789	14961.04	1151.579	-105.1199	429.3803	1151.94	1151.94	1095.363	1090.363	.613913	1.312958	9
57	54	85.4033	85.82979	14961.04	1151.738	-140.1599	429.3803	1151.683	1151.683	1095.856	1090.856	.616728	.512334	9
57	55	86.17911	86.12794	14961.04	1151.815	-140.1599	429.3803	1154.298	1154.298	1095.702	1090.702	.616998	.616998	9
57	56	86.35339	85.67679	14961.04	1151.203	-140.1599	429.3803	1151.762	1151.762	1095.406	1090.406	.620363	.620363	9
57	57	85.57362	84.63647	14961.04	1149.465	-140.1599	429.3803	1149.252	1149.252	1095.676	1090.676	.626133	.626133	9
57	58	84.3387	83.40196	14961.04	1147.512	-140.1599	429.3803	1147.131	1147.131	1096.46	1091.46	.63182	.63182	0
57	59	83.16722	82.42838	14961.04	1146.013	-140.1599	429.3803	1145.547	1145.547	1097.192	1092.192	.632145	.632145	0
57	60	82.27819	81.93437	14961.04	1145.008	-140.1599	429.3803	1144.569	1144.569	1097.349	1092.349	.632	.632	9
57	61	81.70418	81.0981	14961.04	1144.281	-140.1599	429.3803	1144.55	1144.55	1096.921	1091.921	.632	.632	9
57	62	80.32481	79.11308	14961.04	1141.878	-140.1599	429.3803	1144.727	1144.727	1096.624	1091.624	.632	.632	0
57	63	77.83595	75.89133	14961.04	1137.722	-140.1599	429.3803	1145.095	1145.095	1096.506	1091.506	.632	.632	0
57	64	74.05684	73.95792	14961.04	1131.608	-140.1599	80000	1131.6	1130.6	1096.512	1091.512	.632	.632	20

58	1	2139.65	2150.906	14961.04	1099.341	-106.7999	80000	1099.4	1098.4	1000.767	995.7674	21.27384	28.36512	19	
5[illegible]	2	1978.755	1927.853	14961.04	1097.658	-106.7999	429.3803	1126.447	1126.447	1003.337	998.3365	19.85773	26.47698	0	
5[illegible]	3	1809.892	1761.578	14961.04	1095.911	-106.7999	429.3803	1114.121	1114.121	1007.242	1002.242	18.79039	25.05386	0	
58	4	1691.767	1630.231	14961.04	1094.014	-106.7999	429.3803	1114.381	1114.381	1012.518	1007.518	18.95268	25.27024	0	
5[illegible]	5	1554.595	1479.436	14961.04	1091.932	-106.7999	429.3803	1113.543	1113.543	1017.833	1012.833	18.9	25.2	0	
[illegible]		1407.692	1330.086	14961.04	1089.739	-106.7999	429.3803	1109.193	1109.193	1024.083	1019.083	18.9	25.2	0	
5[illegible]	7	1257.908	1167.314	14961.04	1088.496	0	429.3803	1111.786	1111.786	1030.34	1025.34	18.9	25.2	0	
5[illegible]	8	1058.196	971.4895	14961.04	1087.537	0	429.3803	1097.699	1097.699	1039.501	1034.501	18.97761	25.30348	0	
5[illegible]	9	842.1725	820.4221	14961.04	1086.516	0	80000	1086.5	1085.5	1049.372	1044.372	18.93386	25.24514	16	
58	10	725.9662	661.7485	14961.04	1086.514	-106.7999	80000	1086.5	1085.5	1054.323	1049.323	18.86057	25.14742	16	
58	11	547.5039	411.2718	14961.04	1087.225	-106.7999	429.3803	1109.378	1109.378	1060.03	1055.03	15.05913	20.07884	0	
5[illegible]	12	385.5297	242.0375	14961.04	1087.828	-8.75999	429.3803	1110.248	1110.248	1066.156	1061.156	8.096353	10.79514	0	
5[illegible]	13	331.5995	151.5197	14961.04	1088.869	-8.75999	429.3803	1103.077	1103.077	1069.256	1064.256	6.450909	8.601212	0	
58	14	113.4067	91.2338	14961.04	1090.524	-8.75999	429.3803	1108.828	1108.828	1070.77	1065.77	1.795424	2.393898	0	
5[illegible]	15	106.9084	89.79759	14961.04	1092.948	-8.75999	429.3803	1125.38	1125.38	1071.535	1066.535	1.726227	2.301636	0	
5[illegible]	16	84.75851	140.0948	14961.04	1095.701	-4.559995	429.3803	1132.003	1132.003	1071.825	1066.825	1.452018	1.936024	0	
58	17	191.1209	196.7026	14961.04	1097.522	-6.569995	429.3803	1140.906	1140.906	1072.318	1067.318	5.22	3.48	0	
58	18	149.7896	407.5632	11220.78	1099.122	-2.279999	322.0352	1143.13	1143.13	1072.275	1067.275	5.22	3.48	0	
5[illegible]	19	103.6211	418.2924	7480.52	1100.022	-4.379998	214.6902	1144.438	1144.438	1072.093	1067.093	5.22	3.48	0	
5[illegible]	20	105.9392	421.3405	7480.52	1100.971	-4.379998	214.6902	1146.245	1146.245	1071.827	1066.827	5.18424	3.45616	0	
58	21	102.5951	408.7828	7480.52	1101.962	-4.379998	214.6902	1147.267	1147.267	1071.771	1066.771	4.960608	3.307072	0	
5[illegible]	22	94.58594	299.0836	7480.52	1102.982	-4.379998	214.6902	1146.283	1146.283	1071.699	1066.699	4.501596	3.001064	0	
5[illegible]	23	49.62379	235.4426	7480.52	1104.305	-4.379998	214.6902	1145.423	1145.423	1071.268	1066.268	1.31603	2.63206	0	
58	24	69.81881	273.4327	7480.52	1105.945	-13.13999	214.6902	1144.644	1144.644	1070.929	1065.929	2.460588	1.230294	0	
5[illegible]	25	71.33526	276.1447	7480.52	1107.318	-8.759993	214.6902	1141.357	1141.357	1071.35	1066.35	2.46	1.23	0	
5[illegible]	26	71.58836	275.7825	7480.52	1108.657	-8.759993	214.6902	1140.581	1140.581	1072.68	1067.68	2.46	1.23	0	
58	27	71.21281	274.3499	7480.52	1109.978	-8.759993	214.6902	1140.831	1140.831	1074.42	1069.42	2.46	1.23	0	
58	28	70.73004	273.8791	7480.52	1111.286	-11.67999	214.6902	1141.924	1141.924	1076.191	1071.191	2.46	1.23	0	
5[illegible]	29	70.52151	207.118	7480.52	1112.57	-11.67999	214.6902	1142.798	1142.798	1077.463	1072.463	2.46	1.23	0	
5[illegible]	30	35.16792	141.0957	7480.52	1114.236	-11.67999	214.6902	1143.898	1143.898	1078.121	1073.121	.615	.615	10	
5[illegible]	31	35.67659	142.9097	7480.52	1116.599	-11.67999	214.6902	1143.949	1143.949	1079.155	1074.155	.615	.615	10	
5[illegible]	32	36.03416	144.2948	7480.52	1118.862	-11.67999	214.6902	1143.56	1143.56	1080.668	1075.668	.615	.615	10	
5[illegible]	33	36.29774	147.1402	7480.52	1121.039	-11.67999	214.6902	1143.153	1143.153	1082.197	1077.197	.612409	.612409	10	
58	34	37.17203	154.1494	7480.52	1123.121	-11.67999	214.6902	1142.442	1142.442	1083.917	1078.917	.649879	.649879	10	
5[illegible]	35	40.08637	162.239	7480.52	1125.067	-11.67999	214.6902	1142.065	1142.065	1085.475	1080.475	.743882	.743882	10	
5	36	41.66493	166.3675	7480.52	1126.893	-11.67999	214.6902	1141.991	1141.991	1086.479	1081.479	.798894	.798894	10	
5[illegible]	37	42.05416	167.8689	7480.52	1128.658	-11.67999	214.6902	1142.869	1142.869	1087.509	1082.509	.799	.799	10	
58	38	42.35669	170.5299	7480.52	1130.379	-35.03998	214.6902	1142.382	1142.382	1088.669	1083.669	.799	.799	10	
5	39	42.98233	190.4732	7480.52	1131.91	-35.03998	214.6902	1142.392	1142.392	1089.813	1084.813	.799	1.082741	10	
5	40	71.15993	103.7428	11220.78	1133.161	-35.03998	322.0352	1142.5	1142.5	1091.63	1086.63	.798807	4.693517	10	
58	41	94.75076	98.80699	14961.04	1135.179	-35.03998	429.3803	1142.5	1142.5	1093.018	1088.018	.765012	4.626669	10	
5[illegible]	42	89.15997	100.1124	14961.04	1137.102	-35.03998	429.3803	1142.47	1142.47	1094.08	1089.041	.662586	3.52374	10	
5	43	94.15501	111.7015	14961.04	1138.893	-35.03998	429.3803	1142.894	1142.894	1093.606	1089.059	.582929	6.900694	10	
58	44	99.744	117.9767	14961.04	1140.431	-26.27998	429.3803	1145.192	1145.192	1092.732	1088.656	.538755	10.75069	10	
5[illegible]	45	100.4088	112.5177	14961.04	1141.845	-17.51998	429.3803	1148.617	1148.617	1093.11	1088.815	.53423	10.32366	0	
5	46	96.96423	100.1524	14961.04	1143.335	-26.27998	429.3803	1152.909	1152.909	1094.773	1090.039	.578127	6.386558	0	
5[illegible]	47	89.48324	90.76714	14961.04	1144.909	-35.03998	429.3803	1157.228	1157.228	1095.736	1090.761	.630513	2.860699	0	
58	48	87.38478	89.57318	14961.04	1146.474	-35.03998	429.3803	1159.455	1159.455	1095.431	1090.434	.650845	1.247421	0	
5	49	91.548	96.97762	14961.04	1147.918	-35.03998	429.3803	1160.797	1160.797	1094.099	1089.099	.753597	.527693	9	
5	50	103.0266	103.2454	14961.04	1149.14	-35.03998	429.3803	1160.619	1160.619	1092.14	1087.14	.906444	.657283	0	
58	51	105.6974	99.60891	14961.04	1150.164	-35.03998	429.3803	1157.208	1157.208	1091.132	1086.132	.877438	.911323	0	
5[illegible]	52	102.2382	92.00145	14961.04	1150.864	-52.55998	429.3803	1151.775	1151.775	1091.069	1086.069	.753114	.57439	9	
5	53	92.79675	86.96297	14961.04	1150.586	-105.1199	429.3803	1150.16	1150.16	1092.71	1087.71	.657091	.555284	9	
58	54	87.25909	85.75261	14961.04	1150.217	-140.1599	429.3803	1149.485	1149.485	1093.598	1088.598	.605264	.605264	9	
58	55	87.16888	86.40454	14961.04	1150.403	-140.1599	429.3803	1149.644	1149.644	1093.401	1088.401	.616748	.616748	9	
5[illegible]	56	87.28644	86.25022	14961.04	1150.653	-140.1599	429.3803	1150.416	1150.416	1092.759	1087.759	.616524	.616524	9	
5[illegible]	57	86.43441	85.27585	14961.04	1149.816	-140.1599	429.3803	1149.614	1149.614	1093.675	1088.675	.619447	.619447	9	
58	58	84.8174	84.10396	14961.04	1148.591	-140.1599	429.3803	1148.511	1148.511	1095.699	1090.699	.625461	.625461	9	
5	59	84.04253	83.01704	14961.04	1146.923	-140.1599	429.3803	1146.6	1146.6	1096.507	1091.507	.630417	.630417	9	
5	60	82.98373	82.048	14961.04	1145.493	-140.1599	429.3803	1145.109	1145.109	1097.177	1092.177	.632552	.632552	9	

58	61	81.68774	80.93089	14961.04	1144.453	-140.1599	429.3803	1144.455	1144.455	1097.662	1092.662	.632439	.632439	0
58	2	80.48491	79.04768	14961.04	1142.179	-140.1599	429.3803	1144.842	1144.842	1097.438	1092.438	.632	.632	0
58	3	78.03694	76.00146	14961.04	1138.246	-140.1599	429.3803	1145.13	1145.13	1097.237	1092.237	.632	.632	0
58	64	74.28772	74.15575	14961.04	1132.407	-140.1599	80000	1132.4	1131.4	1097.241	1092.241	.632	.632	20
59		2013.101	1967.5	14961.04	1100.165	-106.7999	80000	1100.2	1099.2	1002.123	997.1233	18.93966	25.25288	19
5		1906.672	1860.794	14961.04	1098.666	-106.7999	429.3803	1124.12	1124.12	1005.464	1000.464	18.96065	25.28086	0
59	5	1794.4	1740.08	14961.04	1097.058	-106.7999	429.3803	1113.778	1113.778	1009.849	1004.849	18.83461	25.11282	0
59	4	1682.592	1616.13	14961.04	1095.326	-106.7999	429.3803	1112.241	1112.241	1014.13	1009.13	18.78299	25.04398	0
59		1552.099	1482.851	14961.04	1093.505	-106.7999	429.3803	1110.059	1110.059	1019.849	1014.849	18.9	25.2	0
59	8	1418.608	1335.514	14961.04	1091.698	-106.7999	429.3803	1112.19	1112.19	1025.274	1020.274	18.9	25.2	0
59	7	1256.283	1148.791	14961.04	1090.138	-106.7999	429.3803	1107.935	1107.935	1032.238	1027.238	18.90816	25.21088	0
59		1017.643	928.8793	14961.04	1088.556	-106.7999	429.3803	1099.286	1099.286	1041.43	1036.43	18.67505	24.90006	0
59		762.4678	747.7166	14961.04	1086.524	0	80000	1086.5	1085.5	1051.134	1046.134	18.47612	24.63482	16
59	10	642.6984	611.7216	14961.04	1086.506	-106.7999	80000	1086.5	1085.5	1056.246	1051.246	17.30828	23.0777	16
59	11	533.0245	521.7618	14961.04	1087.009	-106.7999	429.3803	1098.724	1098.724	1061.518	1056.518	15.63763	20.85018	0
59	2	486.672	475.0917	14961.04	1087.581	-106.7999	429.3803	1107.913	1107.913	1066.206	1061.206	16.30275	21.737	0
59	13	449.1362	293.4865	14961.04	1088.223	-106.7999	429.3803	1111.379	1111.379	1068.504	1063.504	15.46665	20.6222	0
59	14	298.2582	129.0813	14961.04	1088.896	-8.75999	429.3803	1112.104	1112.104	1069.344	1064.344	3.557502	4.743336	0
59	5	216.1411	101.8694	14961.04	1090.394	-8.75999	429.3803	1120.349	1120.349	1069.519	1064.519	2.870376	3.827168	0
59	6	83.55999	135.7847	14961.04	1092.645	-8.75999	429.3803	1129.351	1129.351	1069.49	1064.49	1.301709	1.735612	0
59	17	188.5938	194.1377	14961.04	1094.214	-3.419997	429.3803	1132.916	1132.916	1069.395	1064.395	5.22	3.48	0
59	8	149.3515	406.3599	11220.78	1095.753	-2.279999	322.0352	1140.569	1140.569	1069.271	1064.271	5.22	3.48	0
59	9	103.7734	419.9486	7480.52	1096.723	-2.279999	214.6902	1143.423	1143.423	1068.614	1063.614	5.254836	3.503224	0
59	20	101.0531	412.7967	7480.52	1097.792	-4.379998	214.6902	1146.369	1146.369	1068.001	1063.001	5.117072	3.41138	0
59	21	95.90239	379.9413	7480.52	1098.904	-4.379998	214.6902	1145.739	1145.739	1067.28	1062.28	4.529668	3.01978	0
59	22	90.44913	277.7554	7480.52	1100.066	-4.379998	214.6902	1137.193	1137.193	1066.593	1061.593	3.719982	2.479988	0
59	23	49.529	242.3277	7480.52	1101.591	-3.284997	214.6902	1133.214	1133.214	1065.351	1060.351	1.22212	2.44424	0
59	24	72.34147	291.1836	7480.52	1103.327	-8.759993	214.6902	1128.404	1128.404	1064.392	1059.392	2.46	1.23	0
59	25	74.4699	295.5498	7480.52	1104.745	-8.759993	214.6902	1136.643	1136.643	1064.317	1059.317	2.46	1.23	0
59	26	75.59535	295.4222	7480.52	1106.106	-8.759993	214.6902	1143.259	1143.259	1065.49	1060.49	2.46	1.23	0
5	27	75.79475	293.4215	7480.52	1107.428	-8.759993	214.6902	1143.997	1143.997	1067.307	1062.307	2.46	1.23	0
59	28	75.55042	291.1272	7480.52	1108.719	-11.67999	214.6902	1142.814	1142.814	1069.236	1064.236	2.46	1.23	0
59	29	74.98186	215.6397	7480.52	1109.973	-11.67999	214.6902	1143.946	1143.946	1071.109	1066.109	2.46	1.23	0
59	30	35.61798	142.2823	7480.52	1111.605	-11.67999	214.6902	1143.901	1143.901	1072.619	1067.619	.615	.615	0
59	31	36.03835	143.9333	7480.52	1113.974	-11.67999	214.6902	1144.407	1144.407	1073.749	1068.749	.615	.615	0
59	32	36.31793	145.0328	7480.52	1116.229	-11.67999	214.6902	1143.679	1143.679	1075.567	1070.566	.615	.615	0
59	33	36.54157	146.7389	7480.52	1118.396	-11.67999	214.6902	1143.417	1143.417	1077.469	1072.469	.612523	.612523	0
59	34	37.38812	154.8842	7480.52	1120.481	-11.67999	214.6902	1141.755	1141.755	1079.24	1074.24	.627519	.627519	0
59	35	40.51361	164.7662	7480.52	1122.42	-11.67999	214.6902	1142.053	1142.053	1080.614	1075.614	.760976	.760976	0
59	36	42.0638	168.5089	7480.52	1124.222	-11.67999	214.6902	1141.284	1141.284	1081.099	1076.099	.800254	.800254	0
59	37	42.43468	169.7745	7480.52	1125.968	-11.67999	214.6902	1140.765	1140.765	1082.326	1077.326	.801794	.801794	0
59	38	42.74068	170.8262	7480.52	1127.685	-35.03998	214.6902	1141.447	1141.447	1083.546	1078.546	.799	.799	0
59	39	43.01163	171.2159	7480.52	1129.236	-35.03998	214.6902	1141.938	1141.938	1084.745	1079.745	.799	.799	0
59	40	64.39587	85.88783	11220.78	1130.627	-35.03998	322.0352	1142.517	1142.517	1086.877	1081.877	.799	.799	10
59	41	86.67223	85.10374	14961.04	1133.001	-35.03998	429.3803	1142.5	1142.5	1088.853	1083.853	.7984	.7984	10
59	42	85.02448	83.20258	14961.04	1135.182	-35.03998	429.3803	1142.5	1142.5	1089.667	1084.667	.728406	.728406	10
59	43	84.33279	82.19751	14961.04	1137.271	-35.03998	429.3803	1142.559	1142.559	1090.212	1085.173	.726116	.196083	10
59	44	84.58555	82.17612	14961.04	1139.154	-26.27998	429.3803	1142.897	1142.897	1091.239	1086.188	.717123	.020366	10
59	45	86.23933	84.85532	14961.04	1140.894	-26.27998	429.3803	1145.537	1145.537	1091.508	1086.478	.687673	.174643	0
59	46	87.8911	86.29504	14961.04	1142.593	-35.03998	429.3803	1152.124	1152.124	1091.271	1086.285	.674395	1.040695	0
59	47	86.36877	86.10088	14961.04	1144.269	-35.03998	429.3803	1156.457	1156.457	1091.365	1086.354	.678363	.370268	0
59	48	87.76974	89.3596	14961.04	1145.931	-35.03998	429.3803	1154.594	1154.594	1091.231	1086.231	.664147	.61846	0
59	49	91.75291	97.59695	14961.04	1147.513	-35.03998	429.3803	1154.303	1154.303	1090.552	1085.552	.732	.546452	0
59	50	99.23162	105.4786	14961.04	1148.942	-35.03998	429.3803	1155.173	1155.173	1089.393	1084.393	.875482	.829347	9
59	51	105.4911	108.3267	14961.04	1150.205	-35.03998	429.3803	1154.812	1154.812	1089.001	1084.001	.922016	.816991	0
5	52	110.4118	103.0335	14961.04	1151.14	-52.55998	429.3803	1153.19	1153.19	1089.196	1084.196	.928225	.903897	0
59	53	102.9115	93.09286	14961.04	1150.538	-105.1199	429.3803	1149.973	1149.973	1089.496	1084.496	.754437	.754437	9
59	54	94.44647	88.67536	14961.04	1150.172	-140.1599	429.3803	1149.378	1149.378	1090.054	1085.054	.6443	.6443	9
59	55	88.57169	88.05078	14961.04	1151.077	-140.1599	429.3803	1151.065	1151.065	1090.293	1085.293	.620549	.620549	9
59	56	87.93324	87.47063	14961.04	1150.742	-140.1599	429.3803	1150.375	1150.375	1089.572	1084.572	.616715	.616715	0

59	57	87.42467	85.97596	14961.04	1149.92	-140.1599	429.3803	1149.461	1149.461	1090.776	1085.776	.616747	.616747	0
59	8	85.83175	84.75597	14961.04	1148.843	-140.1599	429.3803	1148.415	1148.415	1094.124	1089.124	.617262	.617262	0
59	59	85.43277	84.00922	14961.04	1147.548	-140.1599	429.3803	1147.249	1147.249	1094.474	1089.474	.625816	.625816	0
59	60	84.33179	82.62347	14961.04	1145.87	-140.1599	429.3803	1145.489	1145.489	1094.996	1089.996	.629731	.629731	0
59	61	82.71892	81.24174	14961.04	1144.117	-140.1599	429.3803	1143.655	1143.655	1096.544	1091.544	.630314	.630314	0
5	2	81.62434	79.47415	14961.04	1142.314	-140.1599	429.3803	1143.703	1143.703	1096.4	1091.4	.631015	.631015	0
59	63	78.93919	76.32319	14961.04	1138.674	-140.1599	429.3803	1143.825	1143.825	1097.002	1092.002	.632202	.632202	0
59	64	74.65512	74.41969	14961.04	1133.107	-140.1599	80000	1133.1	1132.1	1097.671	1092.671	.632079	.632079	20
60		2011.05	1952.273	14961.04	1101.063	-106.7999	80000	1101.1	1100.1	1004.043	999.0427	19.14478	25.52638	19
60	2	1901.624	1840.277	14961.04	1099.678	-106.7999	429.3803	1121.826	1121.826	1007.393	1002.393	18.80083	25.06778	0
60	3	1783.583	1736.912	14961.04	1098.166	-106.7999	429.3803	1112.685	1112.685	1011.74	1006.74	18.9	25.2	0
60	4	1678.702	1618.561	14961.04	1096.539	-106.7999	429.3803	1112.189	1112.189	1015.805	1010.805	18.9	25.2	0
60	5	1547.163	1487.856	14961.04	1094.843	-106.7999	429.3803	1112.256	1112.256	1021.044	1016.044	18.9	25.2	0
60	6	1419.038	1339.376	14961.04	1093.148	-106.7999	429.3803	1116.285	1116.285	1026.949	1021.949	19.05058	25.40078	0
60	7	1244.637	1125.135	14961.04	1091.484	-106.7999	429.3803	1117.114	1117.114	1033.527	1028.527	18.89741	25.19654	0
60	8	977.7737	851.2314	14961.04	1089.581	-106.7999	429.3803	1109.45	1109.45	1042.931	1037.931	17.93615	23.91486	0
60	9	703.4917	657.4496	14961.04	1086.556	-106.7999	80000	1086.5	1085.5	1052.701	1047.701	16.51933	22.02578	16
60	10	596.155	564.0013	14961.04	1086.608	0	80000	1086.6	1085.6	1057.89	1052.89	15.98388	21.31184	16
60	11	512.8465	497.9348	14961.04	1086.606	0	80000	1086.6	1085.6	1062.475	1057.475	15.6	20.8	16
60	12	476.332	460.7165	14961.04	1087.151	0	429.3803	1098.519	1098.519	1066.026	1061.026	15.53518	20.71358	0
60	13	480.1825	453.9079	14961.04	1087.748	-79.19995	429.3803	1107.71	1107.71	1067.86	1062.86	15.24776	20.33034	0
60	14	493.0167	385.3179	14961.04	1088.264	-106.7999	429.3803	1111.319	1111.319	1067.869	1062.869	15.43772	20.58362	0
60	15	352.2709	197.8317	14961.04	1088.924	-106.7999	429.3803	1118.125	1118.125	1067.564	1062.564	9.554712	12.73962	0
60	16	158.6139	136.3691	14961.04	1089.642	-8.75999	429.3803	1127.862	1127.862	1066.841	1061.841	1.458824	1.945098	0
60	17	469.189	193.5915	14961.04	1090.393	-6.569995	429.3803	1131.89	1131.89	1065.888	1060.888	5.216388	3.477592	0
60	18	339.7862	407.0045	11220.78	1091.724	-4.379998	322.0352	1134.184	1134.184	1065.009	1060.009	5.25342	3.50228	0
60	19	172.2769	399.3574	7480.52	1092.897	-4.379998	214.6902	1133.407	1133.407	1063.986	1058.986	5.1314	3.420932	0
60	20	108.9398	375.0253	7480.52	1094.32	-4.379998	214.6902	1132.404	1132.404	1063.238	1058.238	4.375512	2.917008	0
60	21	90.60601	365.4648	7480.52	1095.788	-4.379998	214.6902	1135.1	1135.1	1062.663	1057.663	3.878388	2.585592	0
60	22	92.09016	282.1571	7480.52	1097.174	-3.284997	214.6902	1138.378	1138.378	1062.232	1057.232	3.69	2.46	0
6	23	49.84487	245.1541	7480.52	1098.883	-2.189998	214.6902	1139.046	1139.046	1061.478	1056.478	1.23	2.46	0
6	24	73.02682	296.0619	7480.52	1100.798	-8.759993	214.6902	1139.662	1139.662	1060.812	1055.812	2.46	1.23	0
60	25	75.45962	304.7112	7480.52	1102.32	-8.759993	214.6902	1141.977	1141.977	1060.317	1055.317	2.46	1.23	0
60	26	77.45467	310.1383	7480.52	1103.743	-8.759993	214.6902	1144.577	1144.577	1060.187	1055.187	2.46	1.23	0
60	27	78.60355	311.9592	7480.52	1105.084	-8.759993	214.6902	1144.926	1144.926	1060.927	1055.927	2.46	1.23	0
60	28	79.04781	311.0019	7480.52	1106.357	-11.67999	214.6902	1144.337	1144.337	1062.236	1057.236	2.46	1.23	0
60	29	78.76114	226.7596	7480.52	1107.561	-11.67999	214.6902	1143.983	1143.983	1064.06	1059.06	2.46	1.23	0
60	30	36.0571	144.343	7480.52	1109.109	-11.67999	214.6902	1143.901	1143.901	1065.895	1060.895	.615	.615	0
60	31	36.35987	145.4919	7480.52	1111.41	-11.67999	214.6902	1144.065	1144.065	1067.706	1062.706	.615	.615	0
60	32	36.55	146.4052	7480.52	1113.592	-11.67999	214.6902	1144.625	1144.625	1069.867	1064.867	.615	.615	0
60	33	36.71179	148.9799	7480.52	1115.691	-11.67999	214.6902	1144.582	1144.582	1071.818	1066.818	.613886	.613886	0
60	34	37.64209	156.7227	7480.52	1117.709	-11.67999	214.6902	1143.715	1143.715	1073.553	1068.553	.646245	.646245	0
60	35	40.18822	165.5434	7480.52	1119.603	-11.67999	214.6902	1142.858	1142.858	1074.992	1069.992	.747414	.747414	0
60	36	41.92473	169.485	7480.52	1121.376	-11.67999	214.6902	1142.436	1142.436	1076.317	1071.317	.799209	.799209	0
60	37	42.53055	170.927	7480.52	1123.104	-11.67999	214.6902	1142.271	1142.271	1077.395	1072.395	.799	.799	0
60	38	42.90551	172.183	7480.52	1124.82	-35.03998	214.6902	1142.308	1142.308	1078.524	1073.524	.799	.799	0
60	39	43.19801	172.5529	7480.52	1126.391	-35.03998	214.6902	1142.046	1142.046	1079.723	1074.723	.799	.799	0
60	40	64.72466	86.64555	11220.78	1127.821	-35.03998	322.0352	1141.89	1141.89	1081.968	1076.968	.799	.799	10
60	41	87.37714	86.59295	14961.04	1130.431	-35.03998	429.3803	1141.713	1141.713	1083.853	1078.853	.797866	.797866	10
60	42	86.89143	86.15469	14961.04	1132.898	-35.03998	429.3803	1141.424	1141.424	1085.125	1080.125	.755339	.755339	10
60	43	86.96135	86.72083	14961.04	1135.275	-35.03998	429.3803	1141.874	1141.874	1084.568	1079.568	.720267	.720267	10
60	44	87.85247	88.64876	14961.04	1137.483	-39.41996	429.3803	1143.623	1143.623	1086.178	1081.178	.724116	.724116	10
60	45	90.83487	89.27512	14961.04	1139.47	-35.03998	429.3803	1148.515	1148.515	1086.745	1081.745	.753947	.753947	10
60	46	90.27615	87.96483	14961.04	1141.373	-35.03998	429.3803	1153.193	1153.193	1086.795	1081.795	.715391	.569604	0
60	47	89.42978	88.03764	14961.04	1143.219	-35.03998	429.3803	1154.988	1154.988	1086.915	1081.915	.67743	.544325	0
6	48	89.78723	90.16306	14961.04	1145.014	-35.03998	429.3803	1152.267	1152.267	1087.002	1082.002	.675048	.566524	0
60	49	91.23576	93.38757	14961.04	1146.749	-35.03998	429.3803	1151.491	1151.491	1086.939	1081.939	.696005	.696005	0
60	50	93.54298	99.24416	14961.04	1148.447	-35.03998	429.3803	1153.283	1153.283	1086.793	1081.793	.727412	.727412	9
6	51	100.5039	107.5763	14961.04	1150.215	-35.03998	429.3803	1154.711	1154.711	1086.933	1081.933	.832156	.832156	9
6	52	109.1782	110.2898	14961.04	1152.399	-546.484	429.3803	1154.884	1154.884	1087.539	1082.539	.93032	.93032	9

60	53	109.9689	104.2651	14961.04	1151.559	-105.1199	429.3803	1152.357	1152.357	1087.498	1082.498	.899637	.899637	9
60	54	104.0845	94.34279	14961.04	1151.047	-140.1599	429.3803	1150.678	1150.678	1087.911	1082.911	.775866	.775866	0
60	55	94.24559	88.45415	14961.04	1151.454	-140.1599	429.3803	1151.327	1151.327	1088.695	1083.695	.620345	.620345	0
60	56	92.81104	87.88728	14961.04	1151.507	-140.1599	429.3803	1152.364	1152.364	1088.75	1083.75	.603791	.603791	0
60	57	90.96685	87.28046	14961.04	1150.907	-140.1599	429.3803	1151.744	1151.744	1089.552	1084.552	.613665	.613665	0
60	58	87.62991	86.50856	14961.04	1149.802	-140.1599	429.3803	1149.78	1149.78	1090.586	1085.586	.612178	.612178	0
60	59	86.52377	85.75533	14961.04	1148.392	-140.1599	429.3803	1148.383	1148.383	1090.426	1085.426	.619264	.619264	0
60	60	85.32065	84.42723	14961.04	1146.569	-140.1599	429.3803	1146.462	1146.462	1090.668	1085.668	.62049	.62049	0
60	61	83.89487	83.10151	14961.04	1144.51	-140.1599	429.3803	1144.255	1144.255	1091.336	1086.336	.621333	.621333	0
60	62	82.64564	81.08937	14961.04	1142.48	-140.1599	429.3803	1143.539	1143.539	1092.04	1087.04	.628581	.628581	0
60	63	80.32869	77.27112	14961.04	1139.04	-140.1599	429.3803	1143.018	1143.018	1094.22	1089.22	.63258	.63258	0
60	64	75.60807	74.89056	14961.04	1133.807	-140.1599	80000	1133.8	1132.8	1097.637	1092.637	.632423	.632423	20
61	1	1915.471	1960.4	14961.04	1101.793	-106.7999	80000	1101.8	1100.8	1005.681	1000.681	19.24802	25.66402	19
61	2	1849.375	1844.929	14961.04	1100.677	-106.7999	429.3803	1116.706	1116.706	1009.182	1004.182	19.17941	25.57254	0
61	3	1778.894	1725.373	14961.04	1099.247	-106.7999	429.3803	1109.818	1109.818	1013.549	1008.549	18.9	25.2	0
61	4	1670.62	1607.304	14961.04	1097.643	-106.7999	429.3803	1111.681	1111.681	1017.44	1012.44	18.9	25.2	0
61	5	1532.075	1478.345	14961.04	1095.972	-106.7999	429.3803	1115.453	1115.453	1022.872	1017.872	18.9	25.2	0
61	6	1387.239	1324.299	14961.04	1094.314	-106.7999	429.3803	1122.432	1122.432	1028.572	1023.572	19.08052	25.4407	0
61	7	1210.237	1097.275	14961.04	1092.688	-106.7999	429.3803	1129.871	1129.871	1035.977	1030.977	18.88279	25.17706	0
61	8	938.626	830.034	14961.04	1090.981	-106.7999	429.3803	1124.412	1124.412	1044.938	1039.938	17.53196	23.37594	0
61	9	691.6704	642.1972	14961.04	1089.097	-106.7999	429.3803	1113.617	1113.617	1054.264	1049.264	15.86596	21.15462	0
61	10	584.4724	545.0002	14961.04	1087.892	0	429.3803	1097.746	1097.746	1059.45	1054.45	15.53406	20.71208	0
61	11	498.3897	491.2438	14961.04	1086.61	0	80000	1086.6	1085.6	1063.509	1058.509	15.52341	20.69788	16
61	12	484.4684	495.7981	14961.04	1086.705	0	80000	1086.7	1085.7	1066.068	1061.068	15.98599	21.31466	16
61	13	547.3828	519.2913	14961.04	1087.223	-79.19995	429.3803	1102.066	1102.066	1067.143	1062.143	17.58918	23.45224	0
61	14	491.757	459.9696	14961.04	1087.626	-106.7999	429.3803	1109.277	1109.277	1066.61	1061.61	17.46146	23.28194	0
61	15	417.8456	313.053	14961.04	1088.039	-106.7999	429.3803	1114.416	1114.416	1065.506	1060.506	12.06073	16.08097	0
61	16	361.7186	491.4337	14961.04	1088.258	-8.75999	429.3803	1126.336	1126.336	1063.733	1058.733	6.095829	8.127772	0
61	17	1298.238	728.6458	14961.04	1088.513	-6.569995	429.3803	1127.975	1127.975	1062.137	1057.137	23.88784	15.92523	0
61	18	991.2034	1188.2	11220.78	1089.295	-4.379998	322.0352	1128.235	1128.235	1061.075	1056.075	21.08146	14.05431	0
61	19	324.0773	725.5094	7480.52	1090.041	-4.379998	214.6902	1122.841	1122.841	1059.976	1054.976	13.20569	8.803788	0
61	20	102.5782	423.1579	7480.52	1091.236	-4.379998	214.6902	1115.822	1115.822	1059.224	1054.224	5.739036	3.826024	0
61	21	87.86136	365.3199	7480.52	1092.93	-3.284997	214.6902	1124.954	1124.954	1058.829	1053.829	3.710256	2.473504	0
61	22	94.38951	285.583	7480.52	1094.572	-2.189998	214.6902	1137.348	1137.348	1058.572	1053.572	3.69	2.46	0
61	23	50.14135	246.3326	7480.52	1096.412	-2.189998	214.6902	1144.094	1144.094	1058.232	1053.232	1.23	2.46	0
61	24	73.54261	297.8839	7480.52	1098.44	-8.759993	214.6902	1147.453	1147.453	1057.837	1052.837	2.46	1.23	0
61	25	75.72513	306.9459	7480.52	1100.046	-8.759993	214.6902	1148.518	1148.518	1057.425	1052.425	2.46	1.23	0
61	26	77.85073	314.0946	7480.52	1101.561	-8.759993	214.6902	1147.99	1147.99	1057.22	1052.22	2.46	1.23	0
61	27	79.53476	318.6462	7480.52	1102.962	-8.759993	214.6902	1146.948	1146.948	1057.436	1052.436	2.46	1.23	0
61	28	80.79276	320.2339	7480.52	1104.252	-11.67999	214.6902	1145.875	1145.875	1058.14	1053.14	2.46	1.23	0
61	29	81.42188	232.5133	7480.52	1105.42	-11.67999	214.6902	1145.336	1145.336	1059.418	1054.418	2.46	1.23	0
61	30	36.38103	145.3249	7480.52	1106.855	-11.67999	214.6902	1144.606	1144.606	1061.077	1056.077	.615	.615	0
61	31	36.58017	146.1476	7480.52	1108.956	-11.67999	214.6902	1144.318	1144.318	1062.961	1057.961	.615	.615	0
61	32	36.71142	146.6419	7480.52	1110.942	-11.67999	214.6902	1145.743	1145.743	1065.253	1060.253	.615	.615	0
61	33	36.60333	148.4356	7480.52	1112.87	-11.67999	214.6902	1146.598	1146.598	1067.54	1062.54	.613833	.613833	0
61	34	37.08572	154.5985	7480.52	1114.754	-11.67999	214.6902	1145.241	1145.241	1069.411	1064.411	.637508	.637508	0
61	35	38.6176	162.9083	7480.52	1116.56	-11.67999	214.6902	1144.265	1144.265	1070.908	1065.908	.717648	.717648	0
61	36	41.73923	168.3361	7480.52	1118.272	-11.67999	214.6902	1143.939	1143.939	1072.26	1067.26	.780338	.780338	0
61	37	42.42506	170.8173	7480.52	1119.968	-11.67999	214.6902	1143.775	1143.775	1073.311	1068.311	.799	.799	0
61	38	42.83951	172.231	7480.52	1121.691	-35.03998	214.6902	1143.679	1143.679	1074.302	1069.302	.799	.799	0
61	39	43.16927	172.8382	7480.52	1123.307	-35.03998	214.6902	1142.587	1142.587	1075.441	1070.441	.799	.799	0
61	40	64.8367	87.03111	11220.78	1124.811	-35.03998	322.0352	1141.674	1141.674	1077.505	1072.505	.799	.799	0
61	41	87.69861	87.67561	14961.04	1127.629	-35.03998	429.3803	1141.309	1141.309	1079.363	1074.363	.800491	.800491	10
61	42	88.51566	87.69809	14961.04	1130.365	-35.03998	429.3803	1141.094	1141.094	1080.731	1075.731	.776118	.776118	10
61	43	88.47176	88.09299	14961.04	1133.095	-52.55998	429.3803	1141.549	1141.549	1080.525	1075.525	.73717	.73717	10
61	44	88.70705	90.03857	14961.04	1135.601	-52.55998	429.3803	1143.853	1143.853	1081.451	1076.451	.727636	.727636	10
61	45	90.78976	91.8359	14961.04	1137.803	-35.03998	429.3803	1150.77	1150.77	1082.201	1077.201	.758661	.758661	10
61	46	92.72462	91.7411	14961.04	1139.884	-35.03998	429.3803	1153.606	1153.606	1082.795	1077.795	.746531	.746531	0
61	47	93.19785	91.17937	14961.04	1141.862	-35.03998	429.3803	1154.246	1154.246	1083.168	1078.168	.715651	.715651	0
61	48	91.42377	90.85994	14961.04	1143.745	-35.03998	429.3803	1150.213	1150.213	1083.536	1078.536	.691174	.691174	9

61	49	91.04222	91.39117	14961.04	1145.573	-35.03998	429.3803	1149.468	1149.468	1083.77	1078.77	.670875	.670875	9
6	50	92.18568	94.80276	14961.04	1147.368	-35.03998	429.3803	1152.415	1152.415	1083.744	1078.744	.671615	.671615	0
61	51	95.52277	102.1059	14961.04	1149.286	-35.03998	429.3803	1153.606	1153.606	1083.989	1078.989	.733929	.733929	9
61	52	100.6168	108.8573	14961.04	1151.668	-546.484	429.3803	1155.007	1155.007	1084.456	1079.456	.838439	.838439	9
61	53	109.6882	109.7884	14961.04	1151.2	-105.1199	429.3803	1153.21	1153.21	1084.889	1079.889	.910186	.910186	0
6	54	110.7474	103.9873	14961.04	1151.137	-140.1599	429.3803	1152.743	1152.743	1085.644	1080.644	.881766	.881766	0
6	55	105.8803	98.60248	14961.04	1151.254	-140.1599	429.3803	1152.783	1152.783	1086.646	1081.646	.760486	.760486	0
61	56	104.6215	95.8906	14961.04	1151.341	-140.1599	429.3803	1156.062	1156.062	1087.273	1082.273	.739072	.739072	0
6	57	98.53046	91.31631	14961.04	1150.797	-140.1599	429.3803	1156.337	1156.337	1088.018	1083.018	.696733	.696733	0
61	58	88.02567	87.64513	14961.04	1149.543	-140.1599	429.3803	1153.094	1153.094	1088.501	1083.501	.630503	.630503	0
61	59	85.86658	86.08908	14961.04	1148.047	-140.1599	429.3803	1151.819	1151.819	1088.568	1083.568	.616726	.616726	0
6	60	84.8513	84.78828	14961.04	1146.358	-140.1599	429.3803	1148.75	1148.75	1088.997	1083.997	.616148	.616148	0
6	61	83.45892	83.439	14961.04	1144.471	-140.1599	429.3803	1145.046	1145.046	1089.603	1084.603	.617143	.617143	0
61	62	82.35129	81.88496	14961.04	1142.282	-140.1599	429.3803	1143.991	1143.991	1090.4	1085.4	.622874	.622874	0
6	63	79.93607	78.66563	14961.04	1139.218	-140.1599	429.3803	1142.901	1142.901	1092.24	1087.24	.64038	.64038	0
6	64	76.73753	76.32558	14961.04	1134.607	-140.1599	80000	1134.6	1133.6	1094.893	1089.893	.627272	.627272	20
62	1	1380.932	1804.446	14961.04	1103.358	-106.7999	80000	1103.4	1102.4	1006.897	1001.897	17.38921	23.18562	19
62	2	1647.808	1783.339	14961.04	1101.892	-106.7999	429.3803	1111.826	1111.826	1010.838	1005.838	17.96094	23.94792	0
6	3	1784.813	1724.141	14961.04	1100.343	-106.7999	429.3803	1107.559	1107.559	1015.476	1010.476	19.11111	25.48148	0
6	4	1675.736	1595.391	14961.04	1098.641	-106.7999	429.3803	1111.068	1111.068	1019.151	1014.151	18.97724	25.30298	0
62	5	1514.57	1440.968	14961.04	1096.89	-106.7999	429.3803	1117.019	1117.019	1024.649	1019.648	18.8808	25.1744	0
6	6	1319.656	1273.177	14961.04	1095.214	-106.7999	429.3803	1126.23	1126.23	1031.307	1026.307	18.7551	25.0068	0
6	7	1114.994	1051.588	14961.04	1093.608	-106.7999	429.3803	1134.554	1134.554	1038.905	1033.905	18.76001	25.01334	0
62	8	876.1427	800.2623	14961.04	1091.997	-106.7999	429.3803	1133.095	1133.095	1047.648	1042.648	17.19099	22.92132	0
62	9	675.5964	633.9456	14961.04	1090.384	-8.75999	429.3803	1126.449	1126.449	1056.103	1051.103	15.75258	21.00344	0
6	10	586.291	537.8618	14961.04	1089.074	-8.75999	429.3803	1103.367	1103.367	1060.736	1055.736	15.47283	20.63044	0
62	11	515.267	491.6143	14961.04	1086.729	-8.75999	80000	1086.7	1085.7	1064.526	1059.526	15.62543	20.8339	16
62	12	527.7609	536.0531	14961.04	1086.702	0	80000	1086.7	1085.7	1066.17	1061.17	16.47079	21.96106	16
6	13	579.1148	519.8485	14961.04	1086.705	0	80000	1086.7	1085.7	1066.193	1061.193	19.85483	26.4731	16
6	14	462.0018	449.633	14961.04	1086.808	-106.7999	80000	1086.8	1085.8	1065.109	1060.109	14.65823	19.5443	16
6	15	456.4141	466.5112	14961.04	1087.327	-106.7999	429.3803	1106.825	1106.825	1063.28	1058.28	13.01754	17.35672	0
6	16	497.1111	1168.523	14961.04	1087.473	-106.7999	429.3803	1113.439	1113.439	1060.043	1055.043	13.21648	17.62197	0
6	17	1867.058	1891.196	14961.04	1087.486	-80.0999	429.3803	1110.815	1110.815	1057.88	1052.88	54.79988	36.53324	0
62	18	1390.959	2751.318	11220.78	1088.142	-53.39995	322.0352	1109.218	1109.218	1056.884	1051.884	54.8338	36.55586	0
62	19	451.5011	981.1125	7480.52	1088.57	-2.279999	214.6902	1112.3	1112.3	1055.601	1050.601	21.33298	14.22199	0
6	20	102.3164	338.6003	7480.52	1089.382	-3.284997	214.6902	1113.462	1113.462	1054.945	1049.945	3.358278	2.238852	0
6	21	89.56033	363.6835	7480.52	1091.285	-2.189998	214.6902	1114.359	1114.359	1054.946	1049.946	3.327378	2.218252	0
62	22	95.54523	292.5404	7480.52	1092.8	-2.189998	214.6902	1117.18	1117.18	1054.96	1049.96	3.69	2.46	0
6	23	50.05565	248.4032	7480.52	1094.437	-2.189998	214.6902	1126.828	1126.828	1054.964	1049.964	1.23	2.46	0
6	24	72.69	299.1871	7480.52	1096.277	-8.759993	214.6902	1143.079	1143.079	1054.96	1049.96	2.46	1.23	0
62	25	74.09387	307.3575	7480.52	1097.845	-8.759993	214.6902	1151.405	1151.405	1054.96	1049.96	2.46	1.23	0
6	26	76.69841	315.4474	7480.52	1099.602	-106.7999	214.6902	1151.868	1151.868	1054.963	1049.963	2.46	1.23	0
6	27	78.44691	322.6638	7480.52	1101.125	-106.7999	214.6902	1151.468	1151.468	1054.951	1049.951	2.46	1.23	0
62	28	80.16354	328.6246	7480.52	1102.516	-142.3998	214.6902	1151.255	1151.255	1054.942	1049.942	2.46	1.23	0
62	29	81.51036	238.6983	7480.52	1103.707	-142.3998	214.6902	1151.148	1151.148	1055.124	1050.124	2.46	1.23	0
6	30	36.28288	146.5199	7480.52	1105.087	-142.3998	214.6902	1150.636	1150.636	1056.6	1051.6	.615	.615	0
62	31	36.44093	147.0188	7480.52	1106.615	-11.67999	214.6902	1148.544	1148.544	1058.261	1053.261	.615	.615	0
62	32	36.53856	146.6171	7480.52	1108.198	-11.67999	214.6902	1146.372	1146.372	1060.092	1055.092	.615	.615	0
6	33	36.35608	146.3206	7480.52	1109.813	-11.67999	214.6902	1146.743	1146.743	1063.942	1058.942	.613669	.613669	0
6	34	36.67532	148.2148	7480.52	1111.458	-11.67999	214.6902	1147.311	1147.311	1065.591	1060.591	.613527	.613527	0
62	35	38.10851	158.519	7480.52	1113.108	-11.67999	214.6902	1147.676	1147.676	1067.116	1062.116	.636291	.636291	0
6	36	41.09264	168.3211	7480.52	1114.722	-11.67999	214.6902	1146.714	1146.714	1068.425	1063.425	.797677	.797677	0
6	37	41.68539	170.241	7480.52	1116.347	-11.67999	214.6902	1145.188	1145.188	1069.097	1064.097	.800626	.800626	0
62	38	42.20642	171.8041	7480.52	1118.118	-35.03998	214.6902	1144.479	1144.479	1069.976	1064.976	.799975	.799975	0
62	39	42.59894	172.7367	7480.52	1119.838	-35.03998	214.6902	1144.091	1144.091	1071.036	1066.036	.799	.799	0
6	40	64.23409	87.11642	11220.78	1121.498	-35.03998	322.0352	1142.709	1142.709	1072.891	1067.891	.799	.799	0
6	41	86.91728	88.53865	14961.04	1124.501	-35.03998	429.3803	1142.662	1142.662	1074.823	1069.823	.799	.799	10
62	42	88.63636	89.28932	14961.04	1127.492	-27.35998	429.3803	1144.629	1144.629	1076.278	1071.278	.799875	.799875	10
6	43	88.5367	89.08582	14961.04	1130.568	-70.07994	429.3803	1144.356	1144.356	1076.815	1071.815	.761997	.761997	10
6	44	88.55699	89.45824	14961.04	1133.402	-52.55998	429.3803	1143.14	1143.14	1077.105	1072.105	.724063	.724063	10

62	5	90.92111	91.67848	14961.04	1135.831	-18.23998	429.3803	1146.193	1146.193	1078.623	1073.623	.725539	.725539	10
62	6	92.79575	94.18137	14961.04	1138.161	-35.03998	429.3803	1150.41	1150.41	1079.565	1074.565	.759579	.759579	10
62	47	93.21426	93.44225	14961.04	1140.29	-35.03998	429.3803	1151.464	1151.464	1080.131	1075.131	.764633	.764633	9
62	48	91.56805	91.60605	14961.04	1142.178	-35.03998	429.3803	1147.387	1147.387	1080.625	1075.625	.700258	.700258	9
62	9	91.53508	91.83673	14961.04	1144.033	-35.03998	429.3803	1146.89	1146.89	1080.771	1075.771	.674102	.674102	9
(	0	92.39571	92.90569	14961.04	1145.699	-35.03998	429.3803	1150.214	1150.214	1080.637	1075.637	.671729	.671729	9
6c	51	93.02222	94.03365	14961.04	1147.299	-35.03998	429.3803	1149.942	1149.942	1080.812	1075.812	.673468	.673468	9
62	2	95.01463	101.4476	14961.04	1148.365	-52.55998	429.3803	1147.851	1147.851	1080.788	1075.788	.679092	.679092	0
62	3	107.5915	110.6472	14961.04	1149.483	-105.1199	429.3803	1152.077	1152.077	1081.775	1076.775	.863315	.863315	0
62	54	113.2469	112.6404	14961.04	1149.781	-140.1599	429.3803	1155.087	1155.087	1082.965	1077.965	.936126	.936126	0
62	55	111.9862	111.8994	14961.04	1149.787	-140.1599	429.3803	1157.476	1157.476	1084.293	1079.293	.939482	.939482	0
62	56	110.774	107.2614	14961.04	1150.434	-546.484	429.3803	1160.06	1160.06	1085.313	1080.313	.930593	.930593	0
62	57	101.6687	95.23981	14961.04	1149.906	-546.484	429.3803	1160.951	1160.951	1086.416	1081.416	.825024	.825024	0
62	58	87.1268	86.24712	14961.04	1147.88	-140.1599	429.3803	1159.817	1159.817	1087.514	1082.514	.623388	.623388	0
62	59	83.96257	84.6288	14961.04	1146.235	-140.1599	429.3803	1157.25	1157.25	1088.583	1083.583	.607566	.607566	0
62	60	83.25815	83.52193	14961.04	1144.665	-140.1599	429.3803	1152.644	1152.644	1089.566	1084.566	.617	.617	0
62	61	82.24701	82.3712	14961.04	1143.025	-140.1599	429.3803	1146.446	1146.446	1090.602	1085.602	.616963	.616963	0
62	62	81.19629	80.40239	14961.04	1141.21	-140.1599	429.3803	1144.688	1144.688	1091.271	1086.271	.626541	.626541	0
62	63	75.36072	78.00796	14961.04	1139.04	-140.1599	429.3803	1143.215	1143.215	1091.697	1086.697	.597217	.597217	0
62	64	67.78667	77.14948	14961.04	1136.502	-140.1599	80000	1136.5	1135.5	1091.193	1086.193	.589333	.589333	20
63	1	938.7515	1224.294	14961.04	1104.948	-106.7999	80000	1105	1104	1008.706	1003.706	8.828928	11.7719	19
63	2	1509.836	1649.282	14961.04	1103.262	-106.7999	80000	1103.3	1102.3	1012.414	1007.414	15.16572	20.22096	18
63	3	1788.728	1736.409	14961.04	1101.47	-106.7999	80000	1101.5	1100.5	1016.514	1011.514	19.17552	25.56736	18
63	4	1684.09	1594.916	14961.04	1099.487	-106.7999	80000	1099.5	1098.5	1020.819	1015.819	19.35165	25.8022	18
63	5	1505.742	1393.257	14961.04	1097.5	-106.7999	80000	1097.5	1096.5	1025.938	1020.938	18.81598	25.08798	18
63	6	1280.773	1161.472	14961.04	1095.798	-106.7999	80000	1095.8	1094.8	1033.038	1028.038	17.93954	23.91938	18
63	7	1042.172	939.5487	14961.04	1094.197	-106.7999	80000	1094.2	1093.2	1040.958	1035.958	16.78019	22.37358	18
63	8	836.9258	751.4768	14961.04	1092.502	-106.7999	80000	1092.5	1091.5	1049.757	1044.757	16.15272	21.53696	18
63	9	666.0279	627.942	14961.04	1091.009	-8.75999	80000	1091	1090	1057.732	1052.732	15.66111	20.88148	18
63	10	589.8561	563.6962	14961.04	1090.972	-8.75999	80000	1091	1090	1062.087	1057.087	15.4275	20.57	18
	11	537.5363	551.4135	14961.04	1088.888	-8.75999	80000	1088.9	1087.9	1065.009	1060.009	16.22279	21.63038	18
6	12	565.2907	570.8226	14961.04	1087.01	-8.75999	80000	1087	1086	1066.066	1061.066	18.94473	25.25964	18
6	13	576.3545	521.2681	14961.04	1086.801	-8.75999	80000	1086.8	1085.8	1065.476	1060.476	19.0864	25.44854	18
63	14	466.1817	468.7829	14961.04	1086.8	0	80000	1086.8	1085.8	1063.102	1058.102	13.98271	18.64361	18
6	15	471.3841	487.014	14961.04	1086.803	0	80000	1086.8	1085.8	1060.494	1055.494	13.05	17.4	18
6	16	502.6439	1195.646	14961.04	1086.793	0	80000	1086.8	1085.8	1058.204	1053.204	13.10616	17.47487	18
63	17	1888.648	1830.473	14961.04	1086.073	0	80000	1086	1085	1055.911	1050.911	55.18952	36.79302	18
63	18	1329.224	2763.91	11220.78	1087.328	0	60000	1087.3	1086.3	1054.988	1049.988	48.56312	32.3754	18
6	19	495.8059	1234.157	7480.52	1088.351	-3.284997	40000	1088.4	1087.4	1054.553	1049.553	25.63334	17.08888	18
6	20	121.2729	428.9066	7480.52	1088.981	-2.189998	40000	1090	1090	1054.291	1049.291	5.333416	3.555612	18
63	21	93.18042	376.7387	7480.52	1090.693	-2.189998	40000	1090.7	1089.7	1054.295	1049.295	3.69	2.46	18
6	22	95.18893	289.8631	7480.52	1091.783	-2.189998	40000	1092	1092	1054.295	1049.295	3.69	2.46	18
6	23	49.74262	242.5794	7480.52	1092.857	-2.189998	40000	1093.3	1093.3	1054.291	1049.291	1.23	2.46	18
63	24	71.54709	287.9484	7480.52	1093.804	-8.759993	40000	1093.8	1092.8	1054.295	1049.295	2.46	1.23	18
6	25	72.4271	295.8116	7480.52	1094.52	-8.759993	40000	1094.5	1093.5	1054.295	1049.295	2.46	1.23	18
6	26	75.47871	305.1339	7480.52	1096.997	-8.759993	40000	1097	1096	1054.291	1049.291	2.46	1.23	18
63	27	77.08825	311.778	7480.52	1098.309	-106.7999	40000	1098.3	1097.3	1054.295	1049.295	2.46	1.23	18
63	28	78.80075	318.071	7480.52	1099.709	-142.3998	40000	1099.7	1098.7	1054.303	1049.303	2.46	1.23	18
6	29	80.23476	232.4747	7480.52	1101.006	-142.3998	40000	1101	1100	1054.447	1049.447	2.46	1.23	18
6	30	36.00258	144.3753	7480.52	1102.304	-142.3998	40000	1102.3	1101.3	1055.152	1050.152	.615	.615	18
63	31	36.18509	144.8992	7480.52	1103.706	-142.3998	40000	1103.7	1102.7	1056.38	1051.38	.615	.615	18
6	32	36.26451	144.9615	7480.52	1105.007	-142.3998	40000	1105	1104	1057.963	1052.963	.615	.615	18
6	33	36.21623	145.805	7480.52	1106.307	-142.3998	40000	1106.3	1105.3	1059.976	1054.976	.613419	.613419	18
63	34	36.68627	150.9205	7480.52	1107.707	-142.3998	40000	1107.7	1106.7	1062.8	1057.8	.637882	.637882	18
6	35	38.77398	158.2856	7480.52	1109.005	-11.67999	40000	1109	1108	1065.096	1060.096	.726409	.726409	18
	36	40.36881	162.791	7480.52	1110.405	-11.67999	40000	1110.4	1109.4	1066.359	1061.359	.784013	.784013	18
6	37	41.02669	165.3263	7480.52	1111.708	-11.67999	40000	1111.7	1110.7	1067.142	1062.142	.799	.799	18
63	38	41.63644	167.4174	7480.52	1113.805	-35.03998	40000	1113.8	1112.8	1067.915	1062.915	.799	.799	18
(	39	42.07225	168.95	7480.52	1115.707	-35.03998	40000	1115.7	1114.7	1069.016	1064.016	.799	.799	18
6	40	63.6041	85.4463	11220.78	1118.002	-35.03998	60000	1118	1117	1071.007	1066.007	.799	.799	18

63	1	86.08715	87.01498	14961.04	1120.905	-52.55998	80000	1120.9	1119.9	1072.769	1067.769	.799	.799	18
63	2	87.94283	87.88374	14961.04	1124.204	-36.47998	80000	1124.2	1123.2	1074.237	1069.237	.800535	.800535	18
63	43	87.82465	88.00787	14961.04	1127.504	-36.47998	80000	1127.5	1126.5	1075.119	1070.119	.761517	.761517	18
63	4	88.19109	90.01987	14961.04	1131.002	-27.35998	80000	1131	1131	1075.448	1070.448	.726574	.726574	18
63	5	91.84865	92.03838	14961.04	1133.702	-18.23998	80000	1133.7	1132.7	1076.064	1071.064	.758723	.758723	18
63	6	92.22811	91.82865	14961.04	1136.203	-35.03998	80000	1136.2	1135.2	1076.862	1071.862	.741945	.741945	18
63	47	91.42919	91.34006	14961.04	1138.602	-35.03998	80000	1138.6	1137.6	1077.425	1072.425	.707502	.707502	18
63	8	91.25093	91.49707	14961.04	1140.303	-35.03998	80000	1140.3	1139.3	1077.449	1072.449	.68731	.68731	18
63	9	91.74322	92.09406	14961.04	1142.302	-35.03998	80000	1142.3	1141.3	1077.504	1072.504	.675056	.675056	18
63	50	92.44489	92.51224	14961.04	1143.703	-35.03998	80000	1143.7	1142.7	1077.702	1072.702	.672914	.672914	18
63	1	92.57957	94.0032	14961.04	1145.402	-35.03998	80000	1145.4	1144.4	1077.979	1072.979	.660757	.660757	18
63	2	95.42683	101.1585	14961.04	1146.503	-52.55998	80000	1146.5	1145.5	1078.275	1073.275	.691527	.691527	18
63	53	106.8902	110.1911	14961.04	1147.503	-105.1199	80000	1147.5	1146.5	1079.186	1074.186	.844433	.844433	18
63	54	113.4921	112.5927	14961.04	1147.504	-140.1599	80000	1147.5	1146.5	1080.452	1075.452	.947198	.947198	18
63	5	111.6932	110.8608	14961.04	1146.507	-140.1599	80000	1146.5	1145.5	1081.936	1076.936	.950638	.950638	18
63	6	110.0284	105.1813	14961.04	1145.808	-140.1599	80000	1145.8	1144.8	1083.674	1078.674	.954907	.954907	18
63	57	100.3342	93.55568	14961.04	1145.008	-140.1599	80000	1145	1144	1085.173	1080.173	.834394	.834394	18
63	8	86.77714	84.84225	14961.04	1144.006	-140.1599	80000	1144	1143	1086.547	1081.547	.644463	.644463	18
63	9	82.90736	82.59192	14961.04	1142.606	-140.1599	80000	1142.6	1141.6	1088.005	1083.005	.6053	.6053	18
63	60	82.27649	81.98322	14961.04	1141.305	-140.1599	80000	1141.3	1140.3	1089.297	1084.297	.617	.617	18
63	61	81.68996	81.0721	14961.04	1140.005	-140.1599	80000	1140	1139	1090.463	1085.463	.629658	.629658	18
63	62	80.45423	76.15462	14961.04	1138.704	-140.1599	80000	1138.7	1137.7	1091.486	1086.486	.629898	.629898	18
63	63	71.855	65.13943	14961.04	1137.304	-140.1599	80000	1137.3	1136.3	1091.922	1086.922	.480358	.480358	18
63	64	58.42386	58.42386	14961.04	1136.502	-140.1599	80000	1136.5	1135.5	1092.302	1087.302	.217284	.217284	20

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APPENDIX L.

Printouts for Mine Simulation and One Year of Reclamation Using the Calibrated BEJ Value Data

This appendix gives the computer printouts for the mining impacts during the time of mining and then for one year of the reclamation period. Water balances, category printouts of water-level elevations, and mine-pit inflows (see flow to constant head water balance information on printout) and given here.

```
This is a RESTART simulation from filename MINIDATA.PLA
   MINE NODE TURNED ON AT I= 17   J= 30   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 18   J= 30   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 19   J= 30   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 20   J= 30   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 21   J= 30   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 22   J= 30   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 23   J= 30   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 24   J= 30   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 25   J= 30   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 26   J= 30   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 17   J= 31   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 18   J= 31   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 19   J= 31   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 20   J= 31   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 21   J= 31   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 22   J= 31   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 23   J= 31   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 24   J= 31   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 25   J= 31   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 26   J= 31   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 27   J= 31   ELEVATION = 1070
   MINE NODE TURNED ON AT I= 28   J= 31   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 17   J= 32   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 18   J= 32   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 19   J= 32   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 20   J= 32   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 21   J= 32   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 22   J= 32   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 23   J= 32   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 24   J= 32   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 25   J= 32   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 26   J= 32   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 27   J= 32   ELEVATION = 1080
   MINE NODE TURNED ON AT I= 28   J= 32   ELEVATION = 1080
 ITER =  1  ER =  890.0514  TIME =  14.0608
 ITER =  2  ER =  256.6605  TIME =  14.0608
 ITER =  3  ER =  149.4377  TIME =  14.0608
 ITER =  4  ER =  104.5642  TIME =  14.0608
 ITER =  5  ER =  73.95825  TIME =  14.0608
 ITER =  6  ER =  58.36755  TIME =  14.0608
 ITER =  7  ER =  42.7926  TIME =  14.0608
 ITER =  8  ER =  34.85571  TIME =  14.0608
 ITER =  9  ER =  26.08643  TIME =  14.0608
 ITER =  10  ER =  21.44922  TIME =  14.0608
 ITER =  11  ER =  16.26038  TIME =  14.0608
 ITER =  12  ER =  13.39087  TIME =  14.0608
 ITER =  13  ER =  10.31653  TIME =  14.0608
 ITER =  14  ER =  8.505615  TIME =  14.0608
 ITER =  15  ER =  6.672607  TIME =  14.0608
 ITER =  16  ER =  5.494629  TIME =  14.0608
 ITER =  17  ER =  4.397705  TIME =  14.0608
Flow from storage = 416353.7    Flow into storage = 4966.311
Flow in from leakance = 997740.6    Flow out via leakance 1341058
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 435593.9

Total Flow IN = 1779795    Total Flow OUT = 1781622
Percent of unaccounted water =  .1025821
WB = 100*(1 - ABS(TOTIN/TOTOUT))
```

```
 ITER =  3  ER =  34.06873  TIME =  104.6349
 ITER =  4  ER =  22.21802  TIME =  104.6349
 ITER =  5  ER =  17.26489  TIME =  104.6349
 ITER =  6  ER =  13.13696  TIME =  104.6349
 ITER =  7  ER =  11.03967  TIME =  104.6349
 ITER =  8  ER =  8.853271  TIME =  104.6349
 ITER =  9  ER =  7.69812  TIME =  104.6349
 ITER =  10  ER =  6.349487  TIME =  104.6349
 ITER =  11  ER =  5.609741  TIME =  104.6349
 ITER =  12  ER =  4.594214  TIME =  104.6349
Flow from storage = 49451.7    Flow into storage = 1679.423
Flow in from leakance = 1000508    Flow out via leakance 1329340
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 84647.45

Total Flow IN = 1415663    Total Flow OUT = 1415685
Percent of unaccounted water =  1.554018E-03
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  160.7968  TIME =  139.6227
 ITER =  2  ER =  59.07764  TIME =  139.6227
 ITER =  3  ER =  31.57227  TIME =  139.6227
 ITER =  4  ER =  22.82043  TIME =  139.6227
 ITER =  5  ER =  16.60339  TIME =  139.6227
 ITER =  6  ER =  13.82593  TIME =  139.6227
 ITER =  7  ER =  10.97107  TIME =  139.6227
 ITER =  8  ER =  9.592529  TIME =  139.6227
 ITER =  9  ER =  7.864502  TIME =  139.6227
 ITER =  10  ER =  7.034302  TIME =  139.6227
 ITER =  11  ER =  5.870972  TIME =  139.6227
 ITER =  12  ER =  5.329224  TIME =  139.6227
 ITER =  13  ER =  4.505493  TIME =  139.6227
Flow from storage = 41396.78    Flow into storage = 1251.922
Flow in from leakance = 1000614    Flow out via leakance 1327770
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 78390.98

Total Flow IN = 1407695    Total Flow OUT = 1407405
Percent of unaccounted water = -2.058753E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  151.171  TIME =  181.608
 ITER =  2  ER =  54.94153  TIME =  181.608
 ITER =  3  ER =  33.77991  TIME =  181.608
 ITER =  4  ER =  22.64307  TIME =  181.608
 ITER =  5  ER =  18.1311  TIME =  181.608
 ITER =  6  ER =  14.03296  TIME =  181.608
 ITER =  7  ER =  12.15137  TIME =  181.608
 ITER =  8  ER =  9.910889  TIME =  181.608
 ITER =  9  ER =  8.871826  TIME =  181.608
 ITER =  10  ER =  7.4198  TIME =  181.608
 ITER =  11  ER =  6.754028  TIME =  181.608
 ITER =  12  ER =  5.710693  TIME =  181.608
 ITER =  13  ER =  5.265503  TIME =  181.608
 ITER =  14  ER =  4.502441  TIME =  181.608
Flow from storage = 35503.87    Flow into storage = 908.4481
Flow in from leakance = 1000266    Flow out via leakance 1327892
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 74174.42

Total Flow IN = 1401457    Total Flow OUT = 1402877
Percent of unaccounted water =  .1012295
```

```
 ITER =  1  ER =  140.6353  TIME =  231.9904
 ITER =  2  ER =  55.66187  TIME =  231.9904
 ITER =  3  ER =  30.58154  TIME =  231.9904
 ITER =  4  ER =  22.65991  TIME =  231.9904
 ITER =  5  ER =  16.81226  TIME =  231.9904
 ITER =  6  ER =  14.3634  TIME =  231.9904
 ITER =  7  ER =  11.6001  TIME =  231.9904
 ITER =  8  ER =  10.40759  TIME =  231.9904
 ITER =  9  ER =  8.702271  TIME =  231.9904
 ITER =  10  ER =  7.96875  TIME =  231.9904
 ITER =  11  ER =  6.777222  TIME =  231.9904
 ITER =  12  ER =  6.285522  TIME =  231.9904
 ITER =  13  ER =  5.403442  TIME =  231.9904
 ITER =  14  ER =  5.05188  TIME =  231.9904
 ITER =  15  ER =  4.373047  TIME =  231.9904
Flow from storage = 29519.92    Flow into storage = 679.6137
Flow in from leakance = 1000996    Flow out via leakance 1324701
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 69647.52

Total Flow IN = 1396200    Total Flow OUT = 1395024
Percent of unaccounted water = -8.430861E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  132.2323  TIME =  292.4493
 ITER =  2  ER =  51.9668  TIME =  292.4493
 ITER =  3  ER =  32.55396  TIME =  292.4493
 ITER =  4  ER =  22.07385  TIME =  292.4493
 ITER =  5  ER =  18.00867  TIME =  292.4493
 ITER =  6  ER =  14.13892  TIME =  292.4493
 ITER =  7  ER =  12.49695  TIME =  292.4493
 ITER =  8  ER =  10.35986  TIME =  292.4493
 ITER =  9  ER =  9.4552  TIME =  292.4493
 ITER =  10  ER =  8.016602  TIME =  292.4493
 ITER =  11  ER =  7.4729  TIME =  292.4493
 ITER =  12  ER =  6.413574  TIME =  292.4493
 ITER =  13  ER =  6.035278  TIME =  292.4493
 ITER =  14  ER =  5.220215  TIME =  292.4493
 ITER =  15  ER =  4.940918  TIME =  292.4493
Flow from storage = 24911.33    Flow into storage = 454.9557
Flow in from leakance = 1000950    Flow out via leakance 1323824
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 66696.18

Total Flow IN = 1391543    Total Flow OUT = 1390969
Percent of unaccounted water = -4.129316E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  122.1017  TIME =  365
 ITER =  2  ER =  53.69263  TIME =  365
 ITER =  3  ER =  30.58228  TIME =  365
 ITER =  4  ER =  22.83386  TIME =  365
 ITER =  5  ER =  17.11841  TIME =  365
 ITER =  6  ER =  14.74341  TIME =  365
 ITER =  7  ER =  12.02307  TIME =  365
 ITER =  8  ER =  10.92358  TIME =  365
 ITER =  9  ER =  9.224609  TIME =  365
 ITER =  10  ER =  8.611328  TIME =  365
 ITER =  11  ER =  7.386841  TIME =  365
 ITER =  12  ER =  6.984497  TIME =  365
 ITER =  13  ER =  6.049072  TIME =  365
```

ITER = 16 ER = 4.81543 TIME = 365
Flow from storage = 21137.01 Flow into storage = 313.0315
Flow in from leakance = 1000949 Flow out via leakance 1322528
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 64003.86

Total Flow IN = 1387774 Total Flow OUT = 1386838
Percent of unaccounted water = -6.746462E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))

This is a water balance for Wetland Area Number 1
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 1997.339 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 1997.339 GPD

This is a water balance for Wetland Area Number 2
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 1810.228 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 1810.228 GPD

This is a water balance for Wetland Area Number 3
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 249.6598 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 249.6598 GPD

This is a water balance for Wetland Area Number 4
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 536.5894 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 536.5894 GPD

This is a water balance for Wetland Area Number 5
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 1633.265 GPD
Flow INTO aquifer from net Withdrawal terms is 2032.319 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 399.0537 GPD

This is a water balance for Wetland Area Number 6
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 117.4873 GPD
Flow INTO aquifer from net Withdrawal terms is 639.3596 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 521.8723 GPD

This is a water balance for Wetland Area Number 7
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD

Sum of Ins minus Outs (PLUS means in) = 371.7597 GPD

This is a water balance for Wetland Area Number 8
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 363.2997 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 363.2997 GPD

This is a water balance for Wetland Area Number 9
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 3236.968 GPD
Flow INTO aquifer from net Withdrawal terms is 7403.042 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 4166.075 GPD

This is a water balance for Wetland Area Number 10
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 5962.897 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 5962.897 GPD

This is a water balance for Lower third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 10512.7 GPD
Flow INTO aquifer from net Withdrawal terms is 987.3591 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -9525.336 GPD

This is a water balance for Middle third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 102.5391 GPD
Flow OUT of aquifer from Leakance terms is 14012.45 GPD
Flow INTO aquifer from net Withdrawal terms is 3167.647 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -10742.26 GPD

This is a water balance for Upper third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 19.53125 GPD
Flow OUT of aquifer from Leakance terms is 3339.844 GPD
Flow INTO aquifer from net Withdrawal terms is 1214.399 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -2105.914 GPD

This is a water balance for Flambeau River DOWNSTREAM of mine area
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 15998.14 GPD
Flow INTO aquifer from net Withdrawal terms is 1710.972 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -14287.17 GPD

This is a water balance for Flambeau River ADJACENT to mine area
Flow INTO aquifer from Leakance terms is 2773.438 GPD
Flow OUT of aquifer from Leakance terms is 75068.8 GPD
Flow INTO aquifer from net Withdrawal terms is 1030.926 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD

This is a water balance for Flambeau River UPSTREAM of mine area
  Flow INTO aquifer from Leakance terms is 11972.66 GPD
  Flow OUT of aquifer from Leakance terms is 1009836 GPD
  Flow INTO aquifer from net Withdrawal terms is 4978.508 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = -992885.1 GPD

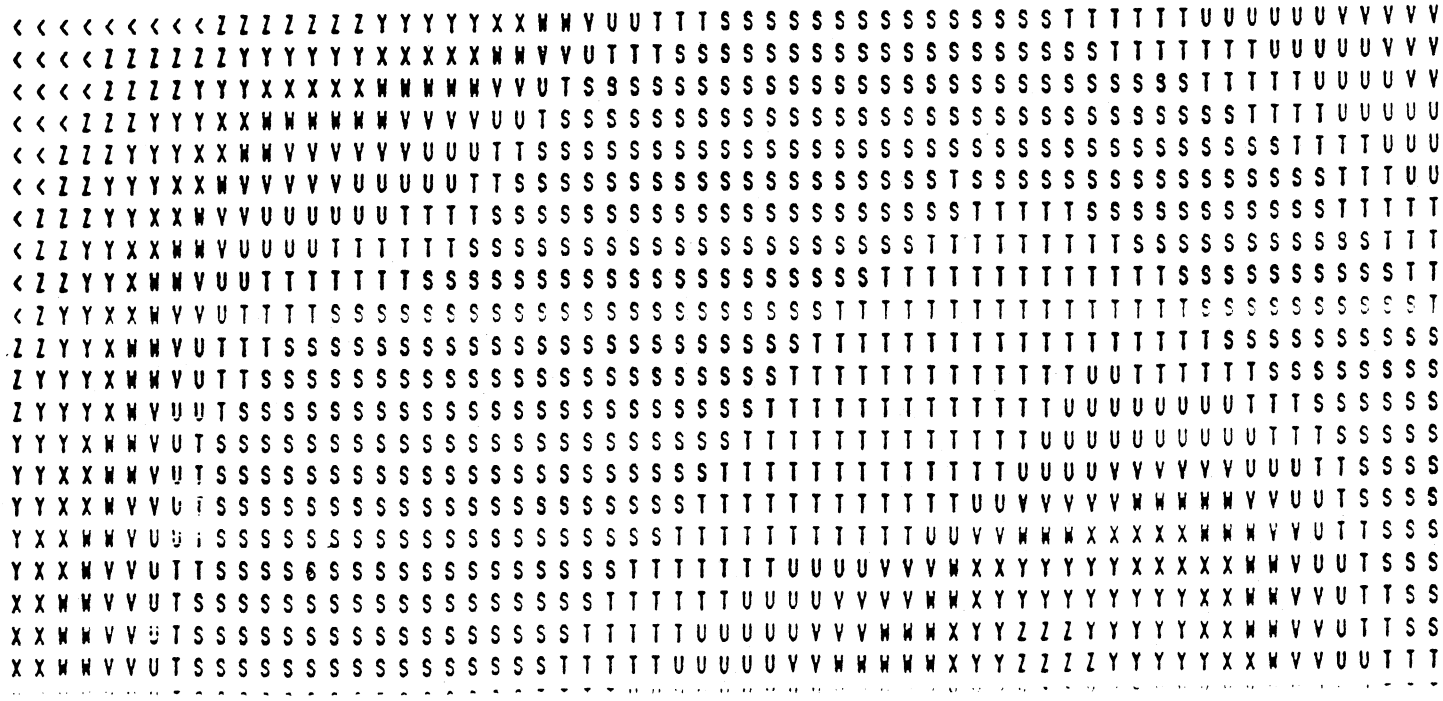
This is a water balance for FIRST Column flow
  Flow INTO aquifer from Leakance terms is 222165.5 GPD
  Flow OUT of aquifer from Leakance terms is 48728.03 GPD
  Flow INTO aquifer from net Withdrawal terms is 7022.827 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 180460.3 GPD

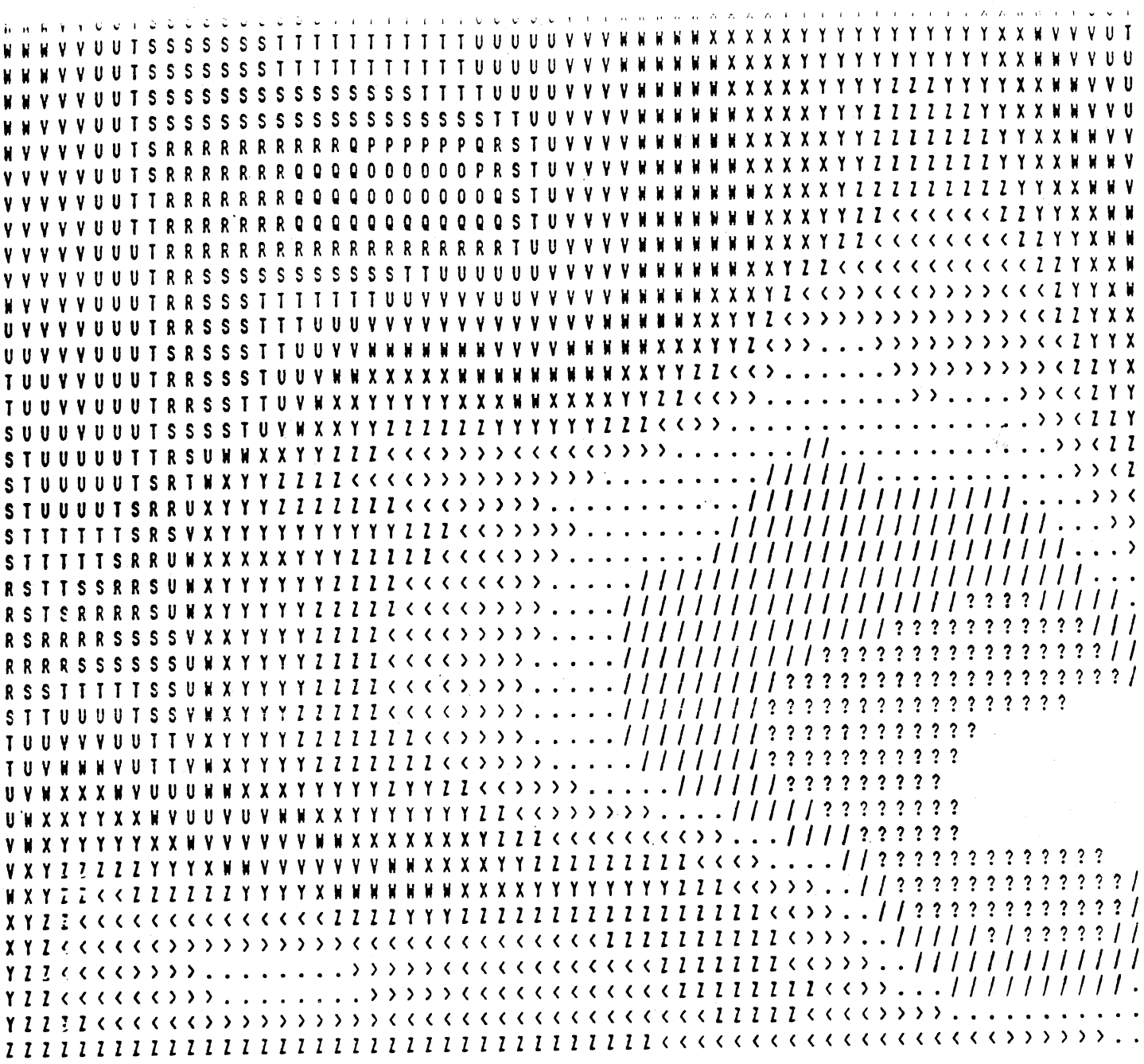
This is a water balance for LAST Column flow
  Flow INTO aquifer from Leakance terms is 13085.94 GPD
  Flow OUT of aquifer from Leakance terms is 21059.57 GPD
  Flow INTO aquifer from net Withdrawal terms is 4014.122 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = -3959.511 GPD

This is a water balance for FIRST Row flow
  Flow INTO aquifer from Leakance terms is 750794.6 GPD
  Flow OUT of aquifer from Leakance terms is 44545.9 GPD
  Flow INTO aquifer from net Withdrawal terms is 3038.636 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 709287.4 GPD

This is a water balance for LAST Row flow
  Flow INTO aquifer from Leakance terms is 34.17969 GPD
  Flow OUT of aquifer from Leakance terms is 18894.04 GPD
  Flow INTO aquifer from net Withdrawal terms is 6465.11 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = -12394.75 GPD

CATEGORY PRINTOUT





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MINE NODE TURNED ON AT I: 17   J: 30   ELEVATION = 1020
MINE NODE TURNED ON AT I: 18   J: 30   ELEVATION = 1020
MINE NODE TURNED ON AT I: 19   J: 30   ELEVATION = 1020
MINE NODE TURNED ON AT I: 20   J: 30   ELEVATION = 1020
MINE NODE TURNED ON AT I: 21   J: 30   ELEVATION = 1040
MINE NODE TURNED ON AT I: 22   J: 30   ELEVATION = 1040
MINE NODE TURNED ON AT I: 23   J: 30   ELEVATION = 1050
MINE NODE TURNED ON AT I: 24   J: 30   ELEVATION = 1050
MINE NODE TURNED ON AT I: 25   J: 30   ELEVATION = 1060
MINE NODE TURNED ON AT I: 26   J: 30   ELEVATION = 1070
MINE NODE TURNED ON AT I: 17   J: 31   ELEVATION = 1030
MINE NODE TURNED ON AT I: 18   J: 31   ELEVATION = 1030
MINE NODE TURNED ON AT I: 19   J: 31   ELEVATION = 1030
MINE NODE TURNED ON AT I: 20   J: 31   ELEVATION = 1030
MINE NODE TURNED ON AT I: 21   J: 31   ELEVATION = 1030
MINE NODE TURNED ON AT I: 22   J: 31   ELEVATION = 1030
MINE NODE TURNED ON AT I: 23   J: 31   ELEVATION = 1030
MINE NODE TURNED ON AT I: 24   J: 31   ELEVATION = 1030
MINE NODE TURNED ON AT I: 25   J: 31   ELEVATION = 1030
MINE NODE TURNED ON AT I: 26   J: 31   ELEVATION = 1030
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   MINE NODE TURNED ON AT I: 18   J: 32   ELEVATION : 1030
   MINE NODE TURNED ON AT I: 19   J: 32   ELEVATION : 1040
   MINE NODE TURNED ON AT I: 20   J: 32   ELEVATION : 1040
   MINE NODE TURNED ON AT I: 21   J: 32   ELEVATION : 1040
   MINE NODE TURNED ON AT I: 22   J: 32   ELEVATION : 1040
   MINE NODE TURNED ON AT I: 23   J: 32   ELEVATION : 1040
   MINE NODE TURNED ON AT I: 24   J: 32   ELEVATION : 1040
   MINE NODE TURNED ON AT I: 25   J: 32   ELEVATION : 1040
   MINE NODE TURNED ON AT I: 26   J: 32   ELEVATION : 1030
   MINE NODE TURNED ON AT I: 27   J: 32   ELEVATION : 1020
   MINE NODE TURNED ON AT I: 28   J: 32   ELEVATION : 1030
 ITER =  1  ER =  1528.897  TIME =  379.0608
 ITER =  2  ER =  273.9905  TIME =  379.0608
 ITER =  3  ER =  92.02521  TIME =  379.0608
 ITER =  4  ER =  39.34534  TIME =  379.0608
 ITER =  5  ER =  18.51062  TIME =  379.0608
 ITER =  6  ER =  9.866333  TIME =  379.0608
 ITER =  7  ER =  5.943604  TIME =  379.0608
 ITER =  8  ER =  3.941956  TIME =  379.0608
Flow from storage = 249363.9    Flow into storage = 300.7357
Flow in from leakance = 1020314    Flow out via leakance 1322458
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 23545.85    Flow to constant heads = 336232

Total Flow IN = 1658923    Total Flow OUT = 1658997
Percent of unaccounted water =  4.468062E-03
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  503.1216  TIME =  395.9337
 ITER =  2  ER =  135.7355  TIME =  395.9337
 ITER =  3  ER =  61.07526  TIME =  395.9337
 ITER =  4  ER =  31.51038  TIME =  395.9337
 ITER =  5  ER =  18.45007  TIME =  395.9337
 ITER =  6  ER =  11.76843  TIME =  395.9337
 ITER =  7  ER =  8.021545  TIME =  395.9337
 ITER =  8  ER =  5.818298  TIME =  395.9337
 ITER =  9  ER =  4.336243  TIME =  395.9337
Flow from storage = 119457.1    Flow into storage = 273.945
Flow in from leakance = 1035006    Flow out via leakance 1321114
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 155.0484    Flow to constant heads = 198871

Total Flow IN = 1520304    Total Flow OUT = 1520254
Percent of unaccounted water = -3.247812E-03
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  325.5323  TIME =  416.1813
 ITER =  2  ER =  92.39362  TIME =  416.1813
 ITER =  3  ER =  42.80664  TIME =  416.1813
 ITER =  4  ER =  25.22534  TIME =  416.1813
 ITER =  5  ER =  16.43127  TIME =  416.1813
 ITER =  6  ER =  11.53912  TIME =  416.1813
 ITER =  7  ER =  8.547363  TIME =  416.1813
 ITER =  8  ER =  6.458435  TIME =  416.1813
 ITER =  9  ER =  5.081299  TIME =  416.1813
 ITER =  10  ER =  3.97644  TIME =  416.1813
Flow from storage = 86249.77    Flow into storage = 274.8867
Flow in from leakance = 1040752    Flow out via leakance 1320358
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 171644.6
```

```
 ITER =  1  ER =  281.8416  TIME =  440.4784
 ITER =  2  ER =  79.3479  TIME =  440.4784
 ITER =  3  ER =  38.25177  TIME =  440.4784
 ITER =  4  ER =  23.97803  TIME =  440.4784
 ITER =  5  ER =  16.61005  TIME =  440.4784
 ITER =  6  ER =  12.41528  TIME =  440.4784
 ITER =  7  ER =  9.422791  TIME =  440.4784
 ITER =  8  ER =  7.512024  TIME =  440.4784
 ITER =  9  ER =  5.898193  TIME =  440.4784
 ITER =  10  ER =  4.840637  TIME =  440.4784
Flow from storage = 71166.63    Flow into storage = 190.3069
Flow in from leakance = 1042865    Flow out via leakance 1319107
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 159792

Total Flow IN = 1479723    Total Flow OUT = 1479092
Percent of unaccounted water = -.0426613
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  271.3578  TIME =  469.6349
 ITER =  2  ER =  77.55927  TIME =  469.6349
 ITER =  3  ER =  40.22968  TIME =  469.6349
 ITER =  4  ER =  25.13757  TIME =  469.6349
 ITER =  5  ER =  18.22675  TIME =  469.6349
 ITER =  6  ER =  13.52991  TIME =  469.6349
 ITER =  7  ER =  10.80304  TIME =  469.6349
 ITER =  8  ER =  8.464355  TIME =  469.6349
 ITER =  9  ER =  7.018311  TIME =  469.6349
 ITER =  10  ER =  5.623962  TIME =  469.6349
 ITER =  11  ER =  4.751282  TIME =  469.6349
Flow from storage = 61580.58    Flow into storage = 196.706
Flow in from leakance = 1043467    Flow out via leakance 1317946
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 98.69157    Flow to constant heads = 151890.8

Total Flow IN = 1470854    Total Flow OUT = 1470049
Percent of unaccounted water = -5.472607E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  245.1328  TIME =  504.6227
 ITER =  2  ER =  78.15875  TIME =  504.6227
 ITER =  3  ER =  39.71863  TIME =  504.6227
 ITER =  4  ER =  26.43152  TIME =  504.6227
 ITER =  5  ER =  18.91016  TIME =  504.6227
 ITER =  6  ER =  14.83887  TIME =  504.6227
 ITER =  7  ER =  11.5545  TIME =  504.6227
 ITER =  8  ER =  9.578796  TIME =  504.6227
 ITER =  9  ER =  7.673828  TIME =  504.6227
 ITER =  10  ER =  6.5177  TIME =  504.6227
 ITER =  11  ER =  5.303955  TIME =  504.6227
 ITER =  12  ER =  4.567383  TIME =  504.6227
Flow from storage = 54586.75    Flow into storage = 163.2509
Flow in from leakance = 1043795    Flow out via leakance 1316956
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 145904.3

Total Flow IN = 1464068    Total Flow OUT = 1463015
Percent of unaccounted water = -7.194047E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))
```

```
 ITER =  2  ER =  81.47571  TIME =  546.608
 ITER =  3  ER =  44.35669  TIME =  546.608
 ITER =  4  ER =  28.44354  TIME =  546.608
 ITER =  5  ER =  21.23505  TIME =  546.608
 ITER =  6  ER =  16.0639  TIME =  546.608
 ITER =  7  ER =  13.19104  TIME =  546.608
 ITER =  8  ER =  10.50482  TIME =  546.608
 ITER =  9  ER =  8.973328  TIME =  546.608
 ITER =  10  ER =  7.276489  TIME =  546.608
 ITER =  11  ER =  6.341003  TIME =  546.608
 ITER =  12  ER =  5.216919  TIME =  546.608
 ITER =  13  ER =  4.602539  TIME =  546.608
Flow from storage = 48139.08    Flow into storage = 125.5717
Flow in from leakance = 1043692    Flow out via leakance 1317194
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 140777.8

Total Flow IN = 1457516    Total Flow OUT = 1458090
Percent of unaccounted water =  3.936657E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  236.9153  TIME =  596.9904
 ITER =  2  ER =  87.94458  TIME =  596.9904
 ITER =  3  ER =  46.30933  TIME =  596.9904
 ITER =  4  ER =  31.22839  TIME =  596.9904
 ITER =  5  ER =  22.6167  TIME =  596.9904
 ITER =  6  ER =  18.18542  TIME =  596.9904
 ITER =  7  ER =  14.43542  TIME =  596.9904
 ITER =  8  ER =  12.32355  TIME =  596.9904
 ITER =  9  ER =  10.10394  TIME =  596.9904
 ITER =  10  ER =  8.843872  TIME =  596.9904
 ITER =  11  ER =  7.358276  TIME =  596.9904
 ITER =  12  ER =  6.513733  TIME =  596.9904
 ITER =  13  ER =  5.481079  TIME =  596.9904
 ITER =  14  ER =  4.88208  TIME =  596.9904
Flow from storage = 42351.41    Flow into storage = 124.6593
Flow in from leakance = 1044534    Flow out via leakance 1314422
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 136580.1

Total Flow IN = 1452566    Total Flow OUT = 1451123
Percent of unaccounted water = -9.944883E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  221.13  TIME =  657.4493
 ITER =  2  ER =  91.75397  TIME =  657.4493
 ITER =  3  ER =  51.98615  TIME =  657.4493
 ITER =  4  ER =  33.65607  TIME =  657.4493
 ITER =  5  ER =  25.28583  TIME =  657.4493
 ITER =  6  ER =  19.33459  TIME =  657.4493
 ITER =  7  ER =  16.13617  TIME =  657.4493
 ITER =  8  ER =  13.07666  TIME =  657.4493
 ITER =  9  ER =  11.39404  TIME =  657.4493
 ITER =  10  ER =  9.467562  TIME =  657.4493
 ITER =  11  ER =  8.409546  TIME =  657.4493
 ITER =  12  ER =  7.064026  TIME =  657.4493
 ITER =  13  ER =  6.342896  TIME =  657.4493
 ITER =  14  ER =  5.372925  TIME =  657.4493
 ITER =  15  ER =  4.861389  TIME =  657.4493
Flow from storage = 37326.92    Flow into storage = 91.95103
Flow in from leakance = 1044648    Flow out via leakance 1313298
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
```

Total Flow IN = 1447e07 Total Flow OUT = 1446160
Percent of unaccounted water = -.1041897
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 226.3425 TIME = 729.9999
ITER = 2 ER = 96.00043 TIME = 729.9999
ITER = 3 ER = 53.08221 TIME = 729.9999
ITER = 4 ER = 36.00653 TIME = 729.9999
ITER = 5 ER = 26.00299 TIME = 729.9999
ITER = 6 ER = 20.88391 TIME = 729.9999
ITER = 7 ER = 16.63794 TIME = 729.9999
ITER = 8 ER = 14.3252 TIME = 729.9999
ITER = 9 ER = 11.85236 TIME = 729.9999
ITER = 10 ER = 10.50977 TIME = 729.9999
ITER = 11 ER = 8.859253 TIME = 729.9999
ITER = 12 ER = 7.985596 TIME = 729.9999
ITER = 13 ER = 6.814758 TIME = 729.9999
ITER = 14 ER = 6.179016 TIME = 729.9999
ITER = 15 ER = 5.304688 TIME = 729.9999
ITER = 16 ER = 4.842651 TIME = 729.9999
Flow from storage = 32495.46 Flow into storage = 63.0116
Flow in from leakance = 1044801 Flow out via leakance 1311924
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 129145.9

Total Flow IN = 1442981 Total Flow OUT = 1441127
Percent of unaccounted water = -.128656
WB = 100*(1 - ABS(TOTIN/TOTOUT))

This is a water balance for Wetland Area Number 1
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 1997.339 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 1997.339 GPD

This is a water balance for Wetland Area Number 2
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 1810.228 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 1810.228 GPD

This is a water balance for Wetland Area Number 3
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 249.6598 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 249.6598 GPD

This is a water balance for Wetland Area Number 4
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 536.5894 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 536.5894 GPD

This is a water balance for Wetland Area Number 5
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 1297.943 GPD
Flow INTO aquifer from net Withdrawal terms is 2032.319 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 734.3761 GPD

This is a water balance for Wetland Area Number 6
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 114.29 GPD
Flow INTO aquifer from net Withdrawal terms is 639.3596 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 525.0695 GPD

This is a water balance for Wetland Area Number 7
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 371.7597 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 371.7597 GPD

This is a water balance for Wetland Area Number 8
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 363.2997 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 363.2997 GPD

This is a water balance for Wetland Area Number 9
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 3238.016 GPD
Flow INTO aquifer from net Withdrawal terms is 7403.042 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 4165.026 GPD

This is a water balance for Wetland Area Number 10
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 5962.897 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 5962.897 GPD

This is a water balance for Lower third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 10512.7 GPD
Flow INTO aquifer from net Withdrawal terms is 987.3591 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -9525.336 GPD

This is a water balance for Middle third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 102.5391 GPD
Flow OUT of aquifer from Leakance terms is 14010.01 GPD
Flow INTO aquifer from net Withdrawal terms is 3167.647 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -10739.82 GPD

This is a water balance for Upper third of Meadowbrook Creek

Flow OUT of aquifer from Leakance terms is 3339.844 GPD
Flow INTO aquifer from net Withdrawal terms is 1214.399 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -2105.914 GPD

This is a water balance for Flambeau River DOWNSTREAM of mine area
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 15976.66 GPD
Flow INTO aquifer from net Withdrawal terms is 1710.972 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -14265.69 GPD

This is a water balance for Flambeau River ADJACENT to mine area
Flow INTO aquifer from Leakance terms is 46434.57 GPD
Flow OUT of aquifer from Leakance terms is 71150.55 GPD
Flow INTO aquifer from net Withdrawal terms is 1030.926 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -23685.06 GPD

This is a water balance for Flambeau River UPSTREAM of mine area
Flow INTO aquifer from Leakance terms is 12016.6 GPD
Flow OUT of aquifer from Leakance terms is 1005524 GPD
Flow INTO aquifer from net Withdrawal terms is 4978.508 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -988528.8 GPD

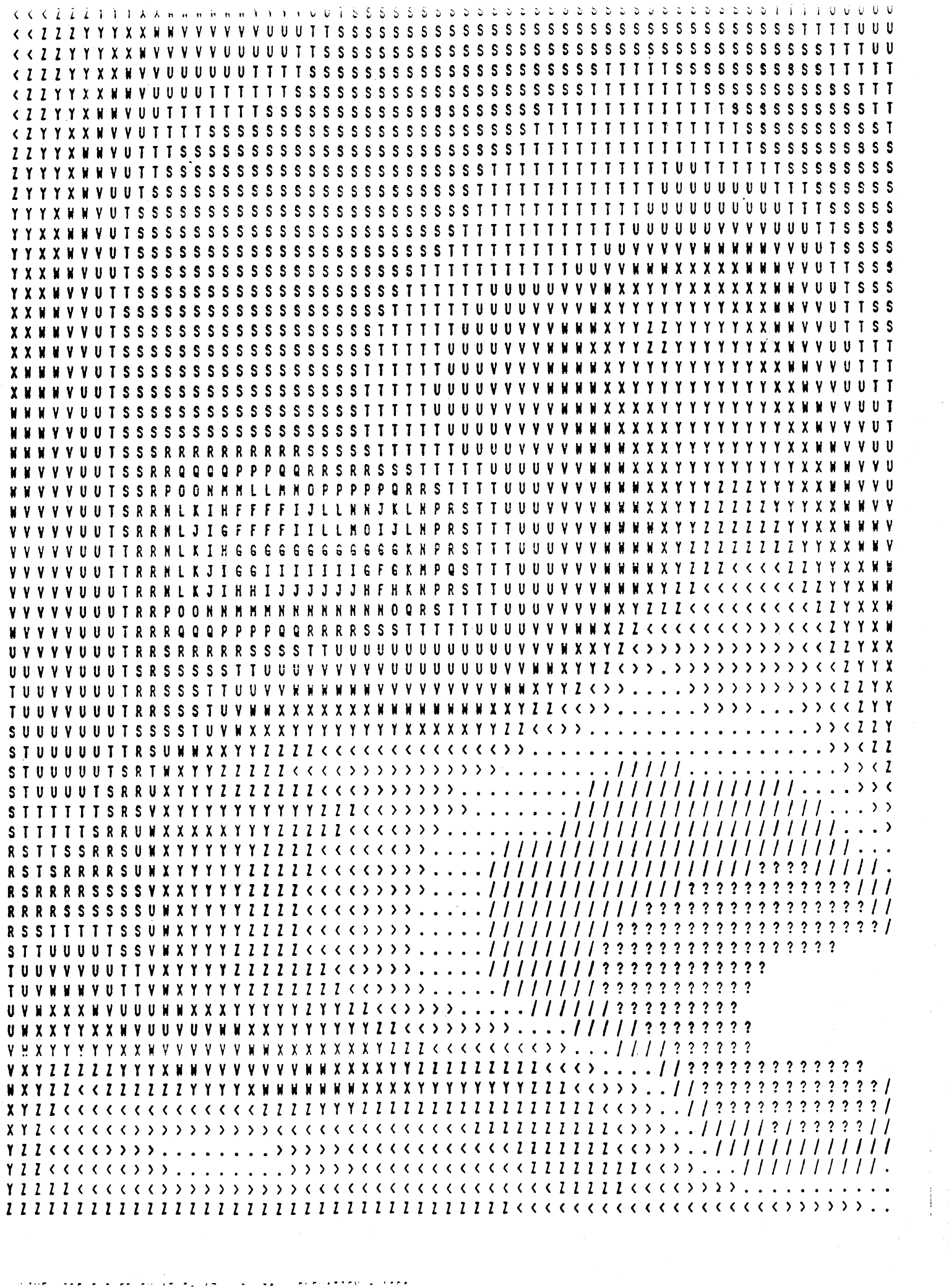
This is a water balance for FIRST Column flow
Flow INTO aquifer from Leakance terms is 222233.9 GPD
Flow OUT of aquifer from Leakance terms is 48713.38 GPD
Flow INTO aquifer from net Withdrawal terms is 7022.827 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 180543.4 GPD

This is a water balance for LAST Column flow
Flow INTO aquifer from Leakance terms is 13056.64 GPD
Flow OUT of aquifer from Leakance terms is 21083.98 GPD
Flow INTO aquifer from net Withdrawal terms is 4014.122 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -4013.222 GPD

This is a water balance for FIRST Row flow
Flow INTO aquifer from Leakance terms is 750903.3 GPD
Flow OUT of aquifer from Leakance terms is 44516.6 GPD
Flow INTO aquifer from net Withdrawal terms is 3038.636 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 709425.3 GPD

This is a water balance for LAST Row flow
Flow INTO aquifer from Leakance terms is 34.17969 GPD
Flow OUT of aquifer from Leakance terms is 18908.69 GPD
Flow INTO aquifer from net Withdrawal terms is 6465.11 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -12409.4 GPD

CATEGORY PRINTOUT



MINE NODE TURNED ON AT I= 20 J= 30 ELEVATION = 1010
MINE NODE TURNED ON AT I= 21 J= 30 ELEVATION = 1020
MINE NODE TURNED ON AT I= 22 J= 30 ELEVATION = 1030
MINE NODE TURNED ON AT I= 23 J= 30 ELEVATION = 1040
MINE NODE TURNED ON AT I= 24 J= 30 ELEVATION = 1050
MINE NODE TURNED ON AT I= 25 J= 30 ELEVATION = 1060
MINE NODE TURNED ON AT I= 26 J= 30 ELEVATION = 1070
MINE NODE TURNED ON AT I= 17 J= 31 ELEVATION = 1000
MINE NODE TURNED ON AT I= 18 J= 31 ELEVATION = 1000
MINE NODE TURNED ON AT I= 19 J= 31 ELEVATION = 1000
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MINE NODE TURNED ON AT I= 25 J= 32 ELEVATION = 1000
MINE NODE TURNED ON AT I= 26 J= 32 ELEVATION = 1000
MINE NODE TURNED ON AT I= 27 J= 32 ELEVATION = 1000
MINE NODE TURNED ON AT I= 28 J= 32 ELEVATION = 1010
MINE NODE TURNED ON AT I= 34 J= 32 ELEVATION = 1090
MINE NODE TURNED ON AT I= 35 J= 32 ELEVATION = 1090
ITER = 1 ER = 1028.418 TIME = 744.0607
ITER = 2 ER = 177.5275 TIME = 744.0607
ITER = 3 ER = 72.96356 TIME = 744.0607
ITER = 4 ER = 31.13324 TIME = 744.0607
ITER = 5 ER = 15.07813 TIME = 744.0607
ITER = 6 ER = 7.371948 TIME = 744.0607
ITER = 7 ER = 3.796326 TIME = 744.0607
Flow from storage = 80850.41 Flow into storage = 1004.844
Flow in from leakance = 1051970 Flow out via leakance 1312475
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 45226.15 Flow to constant heads = 228029

Total Flow IN = 1543742 Total Flow OUT = 1541516
Percent of unaccounted water = -.1444277
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 258.7128 TIME = 760.9337
ITER = 2 ER = 83.98328 TIME = 760.9337
ITER = 3 ER = 40.5921 TIME = 760.9337
ITER = 4 ER = 21.2821 TIME = 760.9337
ITER = 5 ER = 12.47656 TIME = 760.9337
ITER = 6 ER = 6.959229 TIME = 760.9337
ITER = 7 ER = 4.392944 TIME = 760.9337
Flow from storage = 70416.13 Flow into storage = 87.83025

Flow from constant heads = 2164.727 Flow to constant heads = 1

Total Flow IN = 1491859 Total Flow OUT = 1489906
Percent of unaccounted water = -.1310737
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 205.1519 TIME = 781.1813
ITER = 2 ER = 74.2193 TIME = 781.1813
ITER = 3 ER = 36.16931 TIME = 781.1813
ITER = 4 ER = 21.73328 TIME = 781.1813
ITER = 5 ER = 12.6369 TIME = 781.1813
ITER = 6 ER = 8.515625 TIME = 781.1813
ITER = 7 ER = 5.210022 TIME = 781.1813
ITER = 8 ER = 3.659668 TIME = 781.1813
Flow from storage = 55794.46 Flow into storage = 77.55154
Flow in from leakance = 1054205 Flow out via leakance 1311355
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 403.9369 Flow to constant heads = 162280.8

Total Flow IN = 1476093 Total Flow OUT = 1473711
Percent of unaccounted water = -.1616413
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 190.3379 TIME = 805.4783
ITER = 2 ER = 59.97125 TIME = 805.4783
ITER = 3 ER = 31.36444 TIME = 805.4783
ITER = 4 ER = 17.86176 TIME = 805.4783
ITER = 5 ER = 11.99371 TIME = 805.4783
ITER = 6 ER = 7.532227 TIME = 805.4783
ITER = 7 ER = 5.368469 TIME = 805.4783
ITER = 8 ER = 3.528748 TIME = 805.4783
Flow from storage = 45507.59 Flow into storage = 64.64954
Flow in from leakance = 1054264 Flow out via leakance 1310458
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 939.935 Flow to constant heads = 153148.1

Total Flow IN = 1466404 Total Flow OUT = 1463673
Percent of unaccounted water = -.1866111
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 175.7603 TIME = 834.6348
ITER = 2 ER = 61.75165 TIME = 834.6348
ITER = 3 ER = 30.59222 TIME = 834.6348
ITER = 4 ER = 19.92169 TIME = 834.6348
ITER = 5 ER = 12.55341 TIME = 834.6348
ITER = 6 ER = 9.365173 TIME = 834.6348
ITER = 7 ER = 6.256531 TIME = 834.6348
ITER = 8 ER = 4.868469 TIME = 834.6348
Flow from storage = 39957.37 Flow into storage = 54.19727
Flow in from leakance = 1054594 Flow out via leakance 1309779
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 147736.5

Total Flow IN = 1460259 Total Flow OUT = 1457581
Percent of unaccounted water = -.1837033
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 189.6157 TIME = 869.6226
ITER = 2 ER = 62.08026 TIME = 869.6226
ITER = 3 ER = 33.08203 TIME = 869.6226
ITER = 4 ER = 19.44754 TIME = 869.6226

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 ITER =  6  ER =  9.000100  TIME =  869.6226
 ITER =  7  ER =  7.353577  TIME =  869.6226
 ITER =  8  ER =  5.125549  TIME =  869.6226
 ITER =  9  ER =  4.127747  TIME =  869.6226
Flow from storage = 35056.84    Flow into storage = 48.21909
Flow in from leakance = 1054544    Flow out via leakance 1309359
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 143153.9

Total Flow IN = 1455287    Total Flow OUT = 1452553
Percent of unaccounted water = -.1881945
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  182.4864  TIME =  911.608
 ITER =  2  ER =  67.10962  TIME =  911.608
 ITER =  3  ER =  32.90485  TIME =  911.608
 ITER =  4  ER =  21.26477  TIME =  911.608
 ITER =  5  ER =  13.6709  TIME =  911.608
 ITER =  6  ER =  10.53729  TIME =  911.608
 ITER =  7  ER =  7.3703  TIME =  911.608
 ITER =  8  ER =  6.021423  TIME =  911.608
 ITER =  9  ER =  4.363464  TIME =  911.608
Flow from storage = 30333.2    Flow into storage = 52.10756
Flow in from leakance = 1054080    Flow out via leakance 1310228
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 5.982096    Flow to constant heads = 139345.4

Total Flow IN = 1450105    Total Flow OUT = 1449619
Percent of unaccounted water = -3.353467E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  181.2179  TIME =  961.9904
 ITER =  2  ER =  64.29761  TIME =  961.9904
 ITER =  3  ER =  34.17834  TIME =  961.9904
 ITER =  4  ER =  20.28186  TIME =  961.9904
 ITER =  5  ER =  14.78192  TIME =  961.9904
 ITER =  6  ER =  10.29492  TIME =  961.9904
 ITER =  7  ER =  8.311707  TIME =  961.9904
 ITER =  8  ER =  6.135803  TIME =  961.9904
 ITER =  9  ER =  5.137329  TIME =  961.9904
 ITER =  10  ER =  3.928162  TIME =  961.9904
Flow from storage = 27068.62    Flow into storage = 39.73844
Flow in from leakance = 1054956    Flow out via leakance 1307983
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 33.25343    Flow to constant heads = 136612.8

Total Flow IN = 1447741    Total Flow OUT = 1444632
Percent of unaccounted water = -.2152625
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  188.3971  TIME =  1022.449
 ITER =  2  ER =  81.08698  TIME =  1022.449
 ITER =  3  ER =  42.65131  TIME =  1022.449
 ITER =  4  ER =  27.0412  TIME =  1022.449
 ITER =  5  ER =  17.51898  TIME =  1022.449
 ITER =  6  ER =  13.06439  TIME =  1022.449
 ITER =  7  ER =  9.367249  TIME =  1022.449
 ITER =  8  ER =  7.560059  TIME =  1022.449
 ITER =  9  ER =  5.712402  TIME =  1022.449
 ITER =  10  ER =  4.802856  TIME =  1022.449
Flow from storage = 23509.56    Flow into storage = 36.43382
```

Flow from constant heads = 0 Flow to constant heads = 131481

Total Flow IN = 1444070 Total Flow OUT = 1441358
Percent of unaccounted water = -.1881559
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 178.3835 TIME = 1095
ITER = 2 ER = 72.18958 TIME = 1095
ITER = 3 ER = 40.55304 TIME = 1095
ITER = 4 ER = 24.79932 TIME = 1095
ITER = 5 ER = 18.12701 TIME = 1095
ITER = 6 ER = 12.85742 TIME = 1095
ITER = 7 ER = 10.51086 TIME = 1095
ITER = 8 ER = 7.930969 TIME = 1095
ITER = 9 ER = 6.788086 TIME = 1095
ITER = 10 ER = 5.325745 TIME = 1095
ITER = 11 ER = 4.62793 TIME = 1095
Flow from storage = 20326.82 Flow into storage = 35.02268
Flow in from leakance = 1054875 Flow out via leakance 1306655
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 131481

Total Flow IN = 1440885 Total Flow OUT = 1438164
Percent of unaccounted water = -.1891908
WB = 100*(1 - ABS(TOTIN/TOTOUT))

This is a water balance for Wetland Area Number 1
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 1997.339 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 1997.339 GPD

This is a water balance for Wetland Area Number 2
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 1810.228 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 1810.228 GPD

This is a water balance for Wetland Area Number 3
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 249.6598 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 249.6598 GPD

This is a water balance for Wetland Area Number 4
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 536.5894 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 536.5894 GPD

This is a water balance for Wetland Area Number 5
Flow INTO aquifer from Leakance terms is 0 GPD

Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 1009.448 GPD

This is a water balance for Wetland Area Number 6
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 109.2582 GPD
Flow INTO aquifer from net Withdrawal terms is 639.3596 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 530.1013 GPD

This is a water balance for Wetland Area Number 7
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 371.7597 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 371.7597 GPD

This is a water balance for Wetland Area Number 8
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 363.2997 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 363.2997 GPD

This is a water balance for Wetland Area Number 9
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 3238.802 GPD
Flow INTO aquifer from net Withdrawal terms is 7403.042 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 4164.24 GPD

This is a water balance for Wetland Area Number 10
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 5962.897 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 5962.897 GPD

This is a water balance for Lower third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 10522.46 GPD
Flow INTO aquifer from net Withdrawal terms is 987.3591 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -9535.102 GPD

This is a water balance for Middle third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 102.5391 GPD
Flow OUT of aquifer from Leakance terms is 14012.45 GPD
Flow INTO aquifer from net Withdrawal terms is 3167.647 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -10742.26 GPD

This is a water balance for Upper third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 19.53125 GPD
Flow OUT of aquifer from Leakance terms is 3339.844 GPD
Flow INTO aquifer from net Withdrawal terms is 1214.399 GPD

This is a water balance for Flambeau River DOWNSTREAM of mine area
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 15959.77 GPD
Flow INTO aquifer from net Withdrawal terms is 1710.972 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -14248.79 GPD

This is a water balance for Flambeau River ADJACENT to mine area
Flow INTO aquifer from Leakance terms is 56546.95 GPD
Flow OUT of aquifer from Leakance terms is 69922.78 GPD
Flow INTO aquifer from net Withdrawal terms is 1030.926 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -12344.91 GPD

This is a water balance for Flambeau River UPSTREAM of mine area
Flow INTO aquifer from Leakance terms is 12050.78 GPD
Flow OUT of aquifer from Leakance terms is 1002925 GPD
Flow INTO aquifer from net Withdrawal terms is 4978.508 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -985895.6 GPD

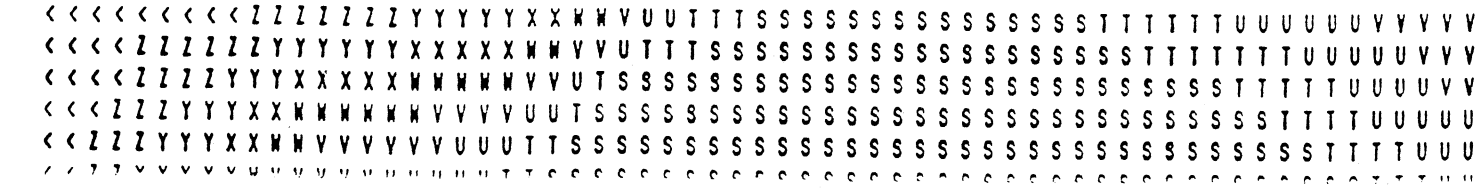
This is a water balance for FIRST Column flow
Flow INTO aquifer from Leakance terms is 222165.5 GPD
Flow OUT of aquifer from Leakance terms is 48728.03 GPD
Flow INTO aquifer from net Withdrawal terms is 7022.827 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 180460.3 GPD

This is a water balance for LAST Column flow
Flow INTO aquifer from Leakance terms is 13071.29 GPD
Flow OUT of aquifer from Leakance terms is 21064.45 GPD
Flow INTO aquifer from net Withdrawal terms is 4014.122 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -3979.042 GPD

This is a water balance for FIRST Row flow
Flow INTO aquifer from Leakance terms is 750883.8 GPD
Flow OUT of aquifer from Leakance terms is 44487.3 GPD
Flow INTO aquifer from net Withdrawal terms is 3038.636 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 709435.1 GPD

This is a water balance for LAST Row flow
Flow INTO aquifer from Leakance terms is 34.17969 GPD
Flow OUT of aquifer from Leakance terms is 18908.69 GPD
Flow INTO aquifer from net Withdrawal terms is 6465.11 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -12409.4 GPD

CATEGORY PRINTOUT



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 ITER =  2  ER =  174.4944  TIME =  1109.061
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 ITER =  4  ER =  43.60846  TIME =  1109.061
 ITER =  5  ER =  23.96454  TIME =  1109.061
 ITER =  6  ER =  13.92914  TIME =  1109.061
 ITER =  7  ER =  7.994202  TIME =  1109.061
 ITER =  8  ER =  5.152771  TIME =  1109.061
 ITER =  9  ER =  3.099365  TIME =  1109.061
Flow from storage = 145020.3    Flow into storage = 207.0204
Flow in from leakance = 1056842    Flow out via leakance 1307287
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 145.9426    Flow to constant heads = 257729.1

Total Flow IN = 1567706    Total Flow OUT = 1565228
Percent of unaccounted water = -.1583236
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  683.2504  TIME =  1125.934
 ITER =  2  ER =  256.4419  TIME =  1125.934
 ITER =  3  ER =  118.7306  TIME =  1125.934
 ITER =  4  ER =  60.78723  TIME =  1125.934
 ITER =  5  ER =  35.58984  TIME =  1125.934
 ITER =  6  ER =  19.97791  TIME =  1125.934
 ITER =  7  ER =  12.56018  TIME =  1125.934
 ITER =  8  ER =  7.36969  TIME =  1125.934
 ITER =  9  ER =  4.84552  TIME =  1125.934
Flow from storage = 257017.3    Flow into storage = 61.0288
Flow in from leakance = 1057407    Flow out via leakance 1304607
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Flow from constant heads = 9006.296 Flow to constant heads = 379696.9

Total Flow IN = 1689117 Total Flow OUT = 1686650
Percent of unaccounted water = -.1462662
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 437.0699 TIME = 1146.181
ITER = 2 ER = 195.1762 TIME = 1146.181
ITER = 3 ER = 88.3559 TIME = 1146.181
ITER = 4 ER = 54.88403 TIME = 1146.181
ITER = 5 ER = 29.99152 TIME = 1146.181
ITER = 6 ER = 20.24481 TIME = 1146.181
ITER = 7 ER = 11.87714 TIME = 1146.181
ITER = 8 ER = 8.278381 TIME = 1146.181
ITER = 9 ER = 5.077087 TIME = 1146.181
ITER = 10 ER = 3.637695 TIME = 1146.181
Flow from storage = 93606.2 Flow into storage = 1067.881
Flow in from leakance = 1057499 Flow out via leakance 1306512
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 2856.931 Flow to constant heads = 209203.2

Total Flow IN = 1519653 Total Flow OUT = 1516783
Percent of unaccounted water = -.1892163
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 295.5305 TIME = 1170.478
ITER = 2 ER = 117.3756 TIME = 1170.478
ITER = 3 ER = 67.29724 TIME = 1170.478
ITER = 4 ER = 38.78815 TIME = 1170.478
ITER = 5 ER = 26.21204 TIME = 1170.478
ITER = 6 ER = 16.22852 TIME = 1170.478
ITER = 7 ER = 11.53809 TIME = 1170.478
ITER = 8 ER = 7.377686 TIME = 1170.478
ITER = 9 ER = 5.420776 TIME = 1170.478
ITER = 10 ER = 3.580627 TIME = 1170.478
Flow from storage = 65020.46 Flow into storage = 425.3168
Flow in from leakance = 1057819 Flow out via leakance 1305720
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 222.2481 Flow to constant heads = 178946.9

Total Flow IN = 1488752 Total Flow OUT = 1485094
Percent of unaccounted water = -.2462807
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 250.1818 TIME = 1199.635
ITER = 2 ER = 98.17224 TIME = 1199.635
ITER = 3 ER = 51.42529 TIME = 1199.635
ITER = 4 ER = 32.52673 TIME = 1199.635
ITER = 5 ER = 20.2453 TIME = 1199.635
ITER = 6 ER = 14.00879 TIME = 1199.635
ITER = 7 ER = 9.125854 TIME = 1199.635
ITER = 8 ER = 6.598572 TIME = 1199.635
ITER = 9 ER = 4.407715 TIME = 1199.635
Flow from storage = 50973.89 Flow into storage = 88.6415
Flow in from leakance = 1057820 Flow out via leakance 1305136
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 633.7589 Flow to constant heads = 166303.1

Total Flow IN = 1475138 Total Flow OUT = 1471535
Percent of unaccounted water = -.2448379

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 ITER =  1  ER =  [illegible]  TIME =  [illegible]
 ITER =  2  ER =  92.33105  TIME =  1234.623
 ITER =  3  ER =  47.54199  TIME =  1234.623
 ITER =  4  ER =  27.53485  TIME =  1234.623
 ITER =  5  ER =  18.13318  TIME =  1234.623
 ITER =  6  ER =  11.77802  TIME =  1234.623
 ITER =  7  ER =  8.378601  TIME =  1234.623
 ITER =  8  ER =  5.661743  TIME =  1234.623
 ITER =  9  ER =  4.23938  TIME =  1234.623
Flow from storage = 43577.62    Flow into storage = 28.75776
Flow in from leakance = 1057655    Flow out via leakance 1305113
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 375.6485    Flow to constant heads = 159002.7

Total Flow IN = 1467291    Total Flow OUT = 1464136
Percent of unaccounted water = -.215494
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  252.3915  TIME =  1276.608
 ITER =  2  ER =  97.54199  TIME =  1276.608
 ITER =  3  ER =  48.94525  TIME =  1276.608
 ITER =  4  ER =  29.65411  TIME =  1276.608
 ITER =  5  ER =  18.72205  TIME =  1276.608
 ITER =  6  ER =  13.08405  TIME =  1276.608
 ITER =  7  ER =  8.933411  TIME =  1276.608
 ITER =  8  ER =  6.690063  TIME =  1276.608
 ITER =  9  ER =  4.732361  TIME =  1276.608
Flow from storage = 38270.97    Flow into storage = 21.14115
Flow in from leakance = 1057384    Flow out via leakance 1306163
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 140.4041    Flow to constant heads = 154050.6

Total Flow IN = 1461484    Total Flow OUT = 1460226
Percent of unaccounted water = -8.613393E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  259.5502  TIME =  1326.99
 ITER =  2  ER =  98.12982  TIME =  1326.99
 ITER =  3  ER =  50.36829  TIME =  1326.99
 ITER =  4  ER =  29.34814  TIME =  1326.99
 ITER =  5  ER =  19.16003  TIME =  1326.99
 ITER =  6  ER =  12.95215  TIME =  1326.99
 ITER =  7  ER =  9.354431  TIME =  1326.99
 ITER =  8  ER =  6.705994  TIME =  1326.99
 ITER =  9  ER =  5.129395  TIME =  1326.99
 ITER =  10  ER =  3.822266  TIME =  1326.99
Flow from storage = 33949.71    Flow into storage = 20.3144
Flow in from leakance = 1057959    Flow out via leakance 1304022
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 149895

Total Flow IN = 1457587    Total Flow OUT = 1453934
Percent of unaccounted water = -.2512666
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  253.2671  TIME =  1387.449
 ITER =  2  ER =  104.4911  TIME =  1387.449
 ITER =  3  ER =  54.11871  TIME =  1387.449
 ITER =  4  ER =  32.30371  TIME =  1387.449
 ITER =  5  ER =  21.01727  TIME =  1387.449
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ITER = 10 ER = 4.523438 TIME = 1387.449
Flow from storage = 29502.78 Flow into storage = 24.83423
Flow in from leakance = 1057956 Flow out via leakance 1303788
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 4.275458 Flow to constant heads = 146212.8

Total Flow IN = 1453145 Total Flow OUT = 1450018
Percent of unaccounted water = -.2156438
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 249.5457 TIME = 1460
ITER = 2 ER = 107.7358 TIME = 1460
ITER = 3 ER = 58.11542 TIME = 1460
ITER = 4 ER = 34.93549 TIME = 1460
ITER = 5 ER = 22.75061 TIME = 1460
ITER = 6 ER = 15.67664 TIME = 1460
ITER = 7 ER = 11.24146 TIME = 1460
ITER = 8 ER = 8.331543 TIME = 1460
ITER = 9 ER = 6.340881 TIME = 1460
ITER = 10 ER = 4.875366 TIME = 1460
Flow from storage = 25889.69 Flow into storage = 14.72349
Flow in from leakance = 1058033 Flow out via leakance 1302986
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 66.95453 Flow to constant heads = 143322.2

Total Flow IN = 1449674 Total Flow OUT = 1446318
Percent of unaccounted water = -.2320548
WB = 100*(1 - ABS(TOTIN/TOTOUT))

This is a water balance for Wetland Area Number 1
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 1997.339 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 1997.339 GPD

This is a water balance for Wetland Area Number 2
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 1810.228 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 1810.228 GPD

This is a water balance for Wetland Area Number 3
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 249.6598 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 249.6598 GPD

This is a water balance for Wetland Area Number 4
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 536.5994 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD

This is a water balance for Wetland Area Number 5
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 857.136 GPD
Flow INTO aquifer from net Withdrawal terms is 2032.319 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 1175.183 GPD

This is a water balance for Wetland Area Number 6
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 103.6237 GPD
Flow INTO aquifer from net Withdrawal terms is 639.3596 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 535.7359 GPD

This is a water balance for Wetland Area Number 7
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 371.7597 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 371.7597 GPD

This is a water balance for Wetland Area Number 8
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 363.2997 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 363.2997 GPD

This is a water balance for Wetland Area Number 9
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 3239.693 GPD
Flow INTO aquifer from net Withdrawal terms is 7403.042 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 4163.35 GPD

This is a water balance for Wetland Area Number 10
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 5962.897 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 5962.897 GPD

This is a water balance for Lower third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 10532.23 GPD
Flow INTO aquifer from net Withdrawal terms is 987.3591 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -9544.867 GPD

This is a water balance for Middle third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 102.5391 GPD
Flow OUT of aquifer from Leakance terms is 14012.45 GPD
Flow INTO aquifer from net Withdrawal terms is 3167.647 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -10742.26 GPD

Flow INTO aquifer from net Withdrawal terms is 1214.399 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -2101.031 GPD

This is a water balance for Flambeau River DOWNSTREAM of mine area
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 15918.75 GPD
Flow INTO aquifer from net Withdrawal terms is 1710.972 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -14207.78 GPD

This is a water balance for Flambeau River ADJACENT to mine area
Flow INTO aquifer from Leakance terms is 59590.38 GPD
Flow OUT of aquifer from Leakance terms is 69320.05 GPD
Flow INTO aquifer from net Withdrawal terms is 1030.926 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -8698.742 GPD

This is a water balance for Flambeau River UPSTREAM of mine area
Flow INTO aquifer from Leakance terms is 12089.84 GPD
Flow OUT of aquifer from Leakance terms is 1000906 GPD
Flow INTO aquifer from net Withdrawal terms is 4978.508 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -983837.3 GPD

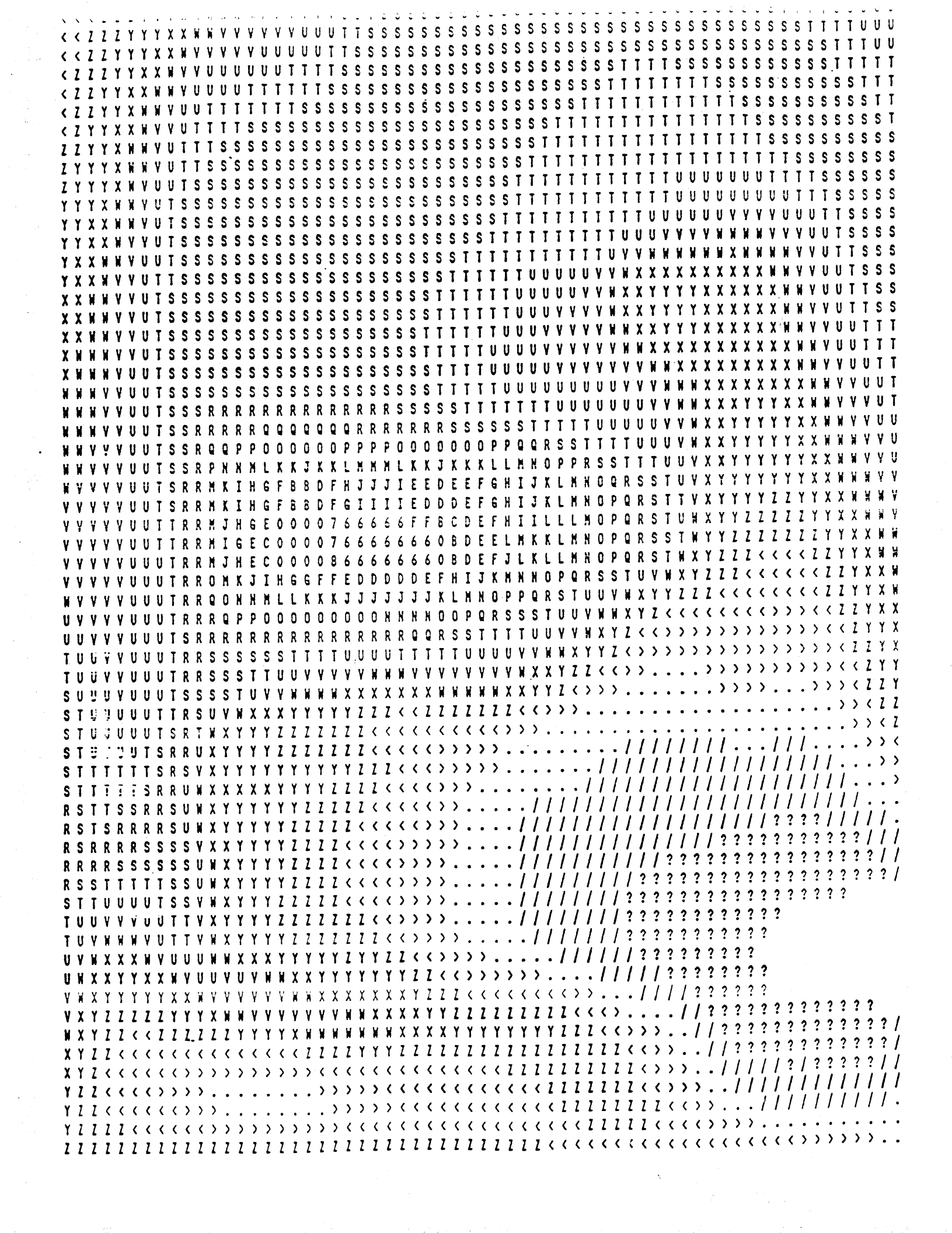
This is a water balance for FIRST Column flow
Flow INTO aquifer from Leakance terms is 222163.1 GPD
Flow OUT of aquifer from Leakance terms is 48723.14 GPD
Flow INTO aquifer from net Withdrawal terms is 7022.827 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 180462.8 GPD

This is a water balance for LAST Column flow
Flow INTO aquifer from Leakance terms is 13061.52 GPD
Flow OUT of aquifer from Leakance terms is 21059.57 GPD
Flow INTO aquifer from net Withdrawal terms is 4014.122 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -3983.925 GPD

This is a water balance for FIRST Row flow
Flow INTO aquifer from Leakance terms is 750971.6 GPD
Flow OUT of aquifer from Leakance terms is 44531.25 GPD
Flow INTO aquifer from net Withdrawal terms is 3038.636 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 709479 GPD

This is a water balance for LAST Row flow
Flow INTO aquifer from Leakance terms is 34.17969 GPD
Flow OUT of aquifer from Leakance terms is 18903.69 GPD
Flow INTO aquifer from net Withdrawal terms is 6465.11 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -12409.4 GPD

CATEGORY PRINTOUT



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 ITER =  3  ER =  279.631  TIME =  1474.061
 ITER =  4  ER =  147.1329  TIME =  1474.061
 ITER =  5  ER =  77.03247  TIME =  1474.061
 ITER =  6  ER =  46.0307  TIME =  1474.061
 ITER =  7  ER =  25.92792  TIME =  1474.061
 ITER =  8  ER =  16.4967  TIME =  1474.061
 ITER =  9  ER =  9.687744  TIME =  1474.061
 ITER =  10  ER =  6.414917  TIME =  1474.061
 ITER =  11  ER =  3.911316  TIME =  1474.061
Flow from storage = 235742.3   Flow into storage = 67.75165
Flow in from leakance = 1059877   Flow out via leakance 1303809
Flow in from withdrawal = 365699.5   Flow out via withdrawal = 0
Flow from constant heads = 902.2601   Flow to constant heads = 355856.2

Total Flow IN = 1662221   Total Flow OUT = 1659736
Percent of unaccounted water = -.1497528
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  1051.098  TIME =  1490.934
 ITER =  2  ER =  422.9995  TIME =  1490.934
 ITER =  3  ER =  225.2861  TIME =  1490.934
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 ITER =  7  ER =  22.65649  TIME =  1490.934
 ITER =  8  ER =  12.76819  TIME =  1490.934
 ITER =  9  ER =  8.143921  TIME =  1490.934
 ITER =  10  ER =  4.800964  TIME =  1490.934
Flow from storage = 166236.1    Flow into storage = 44.30274
Flow in from leakance = 1060459    Flow out via leakance 1303017
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 201.3178    Flow to constant heads = 286495.2

Total Flow IN = 1592581    Total Flow OUT = 1589555
Percent of unaccounted water = -.1903442
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  476.6768  TIME =  1511.181
 ITER =  2  ER =  237.0502  TIME =  1511.181
 ITER =  3  ER =  118.2755  TIME =  1511.181
 ITER =  4  ER =  73.74207  TIME =  1511.181
 ITER =  5  ER =  42.61066  TIME =  1511.181
 ITER =  6  ER =  27.94623  TIME =  1511.181
 ITER =  7  ER =  17.15332  TIME =  1511.181
 ITER =  8  ER =  11.49951  TIME =  1511.181
 ITER =  9  ER =  7.38147  TIME =  1511.181
 ITER =  10  ER =  5.057617  TIME =  1511.181
 ITER =  11  ER =  3.406311  TIME =  1511.181
Flow from storage = 94835    Flow into storage = 68.8341
Flow in from leakance = 1060428    Flow out via leakance 1303039
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 247.8179    Flow to constant heads = 215291.9

Total Flow IN = 1521201    Total Flow OUT = 1518401
Percent of unaccounted water = -.1844375
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  395.903  TIME =  1535.478
 ITER =  2  ER =  157.8557  TIME =  1535.478
 ITER =  3  ER =  87.97998  TIME =  1535.478
 ITER =  4  ER =  50.73523  TIME =  1535.478
 ITER =  5  ER =  33.58221  TIME =  1535.478
 ITER =  6  ER =  21.53424  TIME =  1535.478
 ITER =  7  ER =  15.034  TIME =  1535.478
 ITER =  8  ER =  10.18945  TIME =  1535.478
 ITER =  9  ER =  7.337219  TIME =  1535.478
 ITER =  10  ER =  5.181519  TIME =  1535.478
 ITER =  11  ER =  3.808411  TIME =  1535.478
Flow from storage = 70505.97    Flow into storage = 20.64976
Flow in from leakance = 1060718    Flow out via leakance 1302192
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 191221.1

Total Flow IN = 1496917    Total Flow OUT = 1493435
Percent of unaccounted water = -.2331454
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  384.0072  TIME =  1564.635
 ITER =  2  ER =  148.7419  TIME =  1564.635
 ITER =  3  ER =  72.92499  TIME =  1564.635
 ITER =  4  ER =  43.30817  TIME =  1564.635
 ITER =  5  ER =  26.92963  TIME =  1564.635
 ITER =  6  ER =  18.34601  TIME =  1564.635
 ITER =  7  ER =  12.6264  TIME =  1564.635
```

Flow from storage = 5[illegible] Flow into storage = 87.[illegible]
Flow in from leakance = 1060715 Flow out via leakance 1301618
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 179360.4

Total Flow IN = 1484349 Total Flow OUT = 1481021
Percent of unaccounted water = -.2247267
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 366.463 TIME = 1599.623
ITER = 2 ER = 137.2673 TIME = 1599.623
ITER = 3 ER = 68.60443 TIME = 1599.623
ITER = 4 ER = 39.21259 TIME = 1599.623
ITER = 5 ER = 24.92798 TIME = 1599.623
ITER = 6 ER = 16.72711 TIME = 1599.623
ITER = 7 ER = 11.81262 TIME = 1599.623
ITER = 8 ER = 8.590698 TIME = 1599.623
ITER = 9 ER = 6.392212 TIME = 1599.623
ITER = 10 ER = 4.870361 TIME = 1599.623
Flow from storage = 50283.79 Flow into storage = 20.28112
Flow in from leakance = 1060762 Flow out via leakance 1301357
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 172248.5

Total Flow IN = 1476730 Total Flow OUT = 1473619
Percent of unaccounted water = -.2111129
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 355.4218 TIME = 1641.608
ITER = 2 ER = 138.9056 TIME = 1641.608
ITER = 3 ER = 69.90869 TIME = 1641.608
ITER = 4 ER = 40.46741 TIME = 1641.608
ITER = 5 ER = 25.98669 TIME = 1641.608
ITER = 6 ER = 17.53522 TIME = 1641.608
ITER = 7 ER = 12.68182 TIME = 1641.608
ITER = 8 ER = 9.260437 TIME = 1641.608
ITER = 9 ER = 7.122437 TIME = 1641.608
ITER = 10 ER = 5.440186 TIME = 1641.608
ITER = 11 ER = 4.340942 TIME = 1641.608
Flow from storage = 44580.71 Flow into storage = 25.00167
Flow in from leakance = 1060254 Flow out via leakance 1302245
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 167040.1

Total Flow IN = 1470521 Total Flow OUT = 1469304
Percent of unaccounted water = -.0827943
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 349.5776 TIME = 1691.99
ITER = 2 ER = 136.9235 TIME = 1691.99
ITER = 3 ER = 69.55835 TIME = 1691.99
ITER = 4 ER = 40.94104 TIME = 1691.99
ITER = 5 ER = 26.03314 TIME = 1691.99
ITER = 6 ER = 18.01605 TIME = 1691.99
ITER = 7 ER = 12.76025 TIME = 1691.99
ITER = 8 ER = 9.639954 TIME = 1691.99
ITER = 9 ER = 7.256226 TIME = 1691.99
ITER = 10 ER = 5.770935 TIME = 1691.99
ITER = 11 ER = 4.49823 TIME = 1691.99
Flow from storage = 39511.04 Flow into storage = 19.91184
Flow in from leakance = 1060824 Flow out via leakance 1299967
Flow in from [illegible] Flow out via withdrawal = 0

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Total Flow IN = 1466022    Total Flow OUT = 1462692
Percent of unaccounted water = -.2276625
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  324.3248  TIME =  1752.449
 ITER =  2  ER =  137.5298  TIME =  1752.449
 ITER =  3  ER =  73.22205  TIME =  1752.449
 ITER =  4  ER =  43.47388  TIME =  1752.449
 ITER =  5  ER =  28.86774  TIME =  1752.449
 ITER =  6  ER =  19.50848  TIME =  1752.449
 ITER =  7  ER =  14.45807  TIME =  1752.449
 ITER =  8  ER =  10.50916  TIME =  1752.449
 ITER =  9  ER =  8.315674  TIME =  1752.449
 ITER =  10  ER =  6.31897  TIME =  1752.449
 ITER =  11  ER =  5.231079  TIME =  1752.449
 ITER =  12  ER =  4.089478  TIME =  1752.449
Flow from storage = 35197.14    Flow into storage = 15.70025
Flow in from leakance = 1060975    Flow out via leakance 1299480
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 159058.5

Total Flow IN = 1461854    Total Flow OUT = 1458548
Percent of unaccounted water = -.2266209
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  311.9597  TIME =  1825
 ITER =  2  ER =  133.8104  TIME =  1825
 ITER =  3  ER =  71.1084  TIME =  1825
 ITER =  4  ER =  43.2196  TIME =  1825
 ITER =  5  ER =  27.74103  TIME =  1825
 ITER =  6  ER =  19.52979  TIME =  1825
 ITER =  7  ER =  13.76263  TIME =  1825
 ITER =  8  ER =  10.56  TIME =  1825
 ITER =  9  ER =  7.883179  TIME =  1825
 ITER =  10  ER =  6.405884  TIME =  1825
 ITER =  11  ER =  4.983093  TIME =  1825
Flow from storage = 31307.16    Flow into storage = 19.83042
Flow in from leakance = 1060904    Flow out via leakance 1298526
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 156134.7

Total Flow IN = 1457893    Total Flow OUT = 1454676
Percent of unaccounted water = -.2211747
WB = 100*(1 - ABS(TOTIN/TOTOUT))




This is a water balance for Wetland Area Number 1
  Flow INTO aquifer from Leakance terms is  0  GPD
  Flow OUT of aquifer from Leakance terms is  0  GPD
  Flow INTO aquifer from net Withdrawal terms is  1997.339  GPD
  Flow OUT of aquifer from net Withdrawal terms is  0  GPD
    Sum of Ins minus Outs (PLUS means in) =  1997.339  GPD


This is a water balance for Wetland Area Number 2
  Flow INTO aquifer from Leakance terms is  0  GPD
  Flow OUT of aquifer from Leakance terms is  0  GPD
  Flow INTO aquifer from net Withdrawal terms is  1810.228  GPD
  Flow OUT of aquifer from net Withdrawal terms is  0  GPD
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This is a water balance for Wetland Area Number 3
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 249.6598 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 249.6598 GPD

This is a water balance for Wetland Area Number 4
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 536.5894 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 536.5894 GPD

This is a water balance for Wetland Area Number 5
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 746.3053 GPD
Flow INTO aquifer from net Withdrawal terms is 2032.319 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 1286.014 GPD

This is a water balance for Wetland Area Number 6
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 96.25941 GPD
Flow INTO aquifer from net Withdrawal terms is 639.3596 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 543.1002 GPD

This is a water balance for Wetland Area Number 7
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 371.7597 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 371.7597 GPD

This is a water balance for Wetland Area Number 8
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 363.2997 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 363.2997 GPD

This is a water balance for Wetland Area Number 9
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 3238.645 GPD
Flow INTO aquifer from net Withdrawal terms is 7403.042 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 4164.397 GPD

This is a water balance for Wetland Area Number 10
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 5962.897 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 5962.897 GPD

Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 10539.55 GPD
Flow INTO aquifer from net Withdrawal terms is 987.3591 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -9552.191 GPD

This is a water balance for Middle third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 102.5391 GPD
Flow OUT of aquifer from Leakance terms is 14012.45 GPD
Flow INTO aquifer from net Withdrawal terms is 3167.647 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -10742.26 GPD

This is a water balance for Upper third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 19.53125 GPD
Flow OUT of aquifer from Leakance terms is 3339.844 GPD
Flow INTO aquifer from net Withdrawal terms is 1214.399 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -2105.914 GPD

This is a water balance for Flambeau River DOWNSTREAM of mine area
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 15899.9 GPD
Flow INTO aquifer from net Withdrawal terms is 1710.972 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -14188.93 GPD

This is a water balance for Flambeau River ADJACENT to mine area
Flow INTO aquifer from Leakance terms is 62447.81 GPD
Flow OUT of aquifer from Leakance terms is 68310.3 GPD
Flow INTO aquifer from net Withdrawal terms is 1030.926 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -4831.566 GPD

This is a water balance for Flambeau River UPSTREAM of mine area
Flow INTO aquifer from Leakance terms is 12124.02 GPD
Flow OUT of aquifer from Leakance terms is 998492.5 GPD
Flow INTO aquifer from net Withdrawal terms is 4978.508 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -981390 GPD

This is a water balance for FIRST Column flow
Flow INTO aquifer from Leakance terms is 222126.5 GPD
Flow OUT of aquifer from Leakance terms is 48706.05 GPD
Flow INTO aquifer from net Withdrawal terms is 7022.827 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 180443.2 GPD

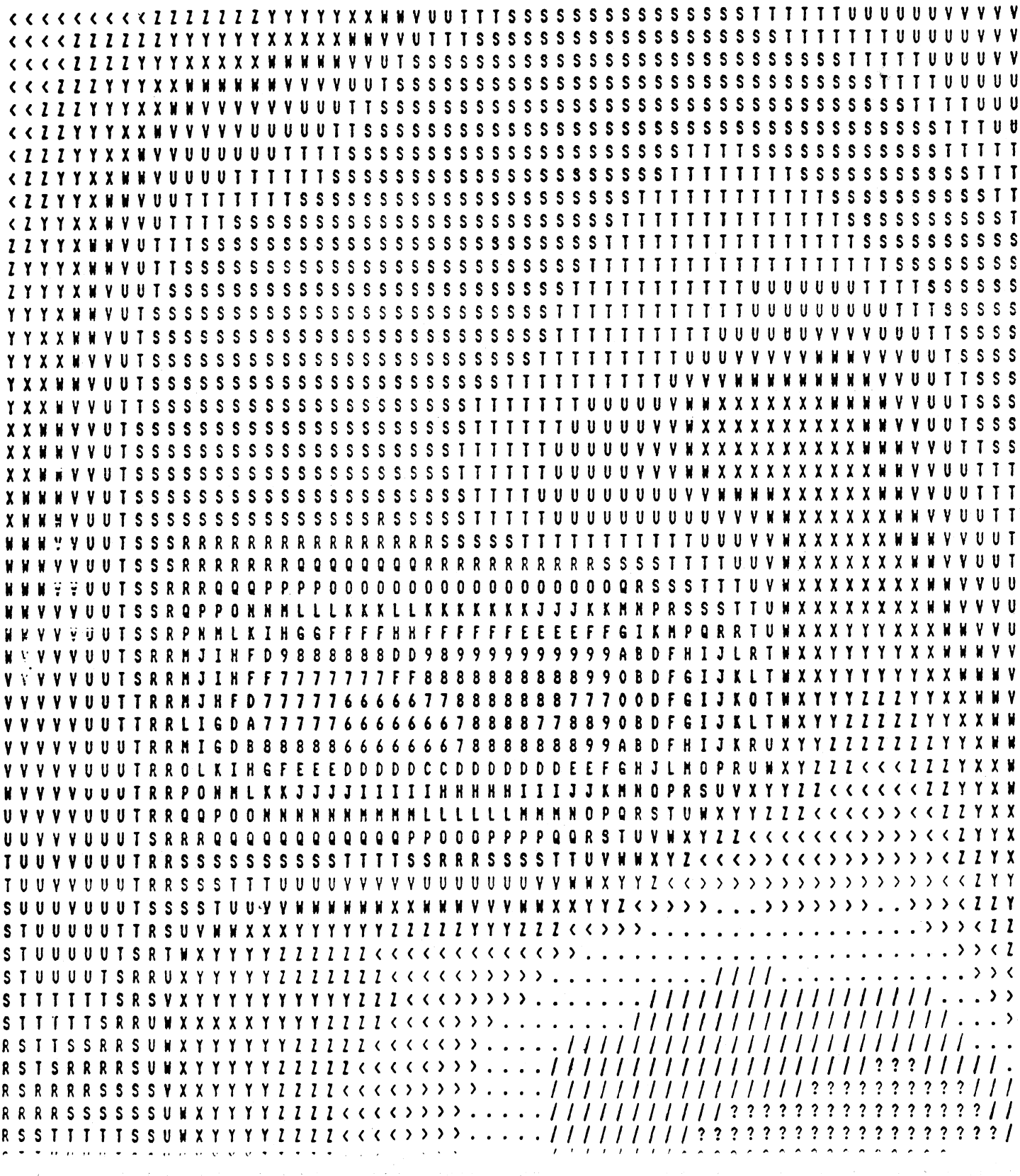
This is a water balance for LAST Column flow
Flow INTO aquifer from Leakance terms is 13120.12 GPD
Flow OUT of aquifer from Leakance terms is 20991.21 GPD
Flow INTO aquifer from net Withdrawal terms is 4014.122 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -3856.972 GPD

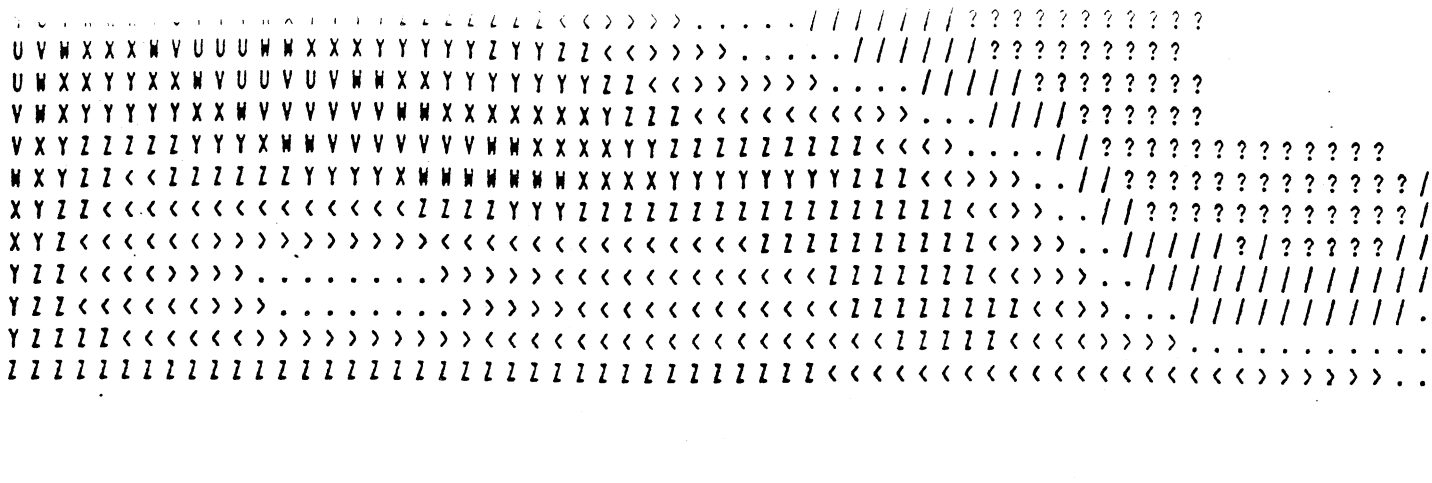
This is a water balance for FIRST Row flow

Flow INTO aquifer from net Withdrawal terms is [illegible] GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 709465.7 GPD

This is a water balance for LAST Row flow
Flow INTO aquifer from Leakance terms is 34.17969 GPD
Flow OUT of aquifer from Leakance terms is 18908.69 GPD
Flow INTO aquifer from net Withdrawal terms is 6465.11 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -12409.4 GPD

CATEGORY PRINTOUT





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ITER =  6  ER =  42.42523  TIME =  1839.061
ITER =  7  ER =  23.41522  TIME =  1839.061
ITER =  8  ER =  13.9574  TIME =  1839.061
ITER =  9  ER =  8.197754  TIME =  1839.061
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ITER = 11 ER = [illegible] TIME = [illegible]
Flow from storage = 173427.5 Flow into storage = 84.18192
Flow in from leakance = 1065004 Flow out via leakance 1299222
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 747.1791 Flow to constant heads = 302820.5

Total Flow IN = 1604878 Total Flow OUT = 1602129
Percent of unaccounted water = -.1715608
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 403.2717 TIME = 1855.934
ITER = 2 ER = 193.6215 TIME = 1855.934
ITER = 3 ER = 111.0312 TIME = 1855.934
ITER = 4 ER = 61.63177 TIME = 1855.934
ITER = 5 ER = 39.25983 TIME = 1855.934
ITER = 6 ER = 23.3811 TIME = 1855.934
ITER = 7 ER = 15.3844 TIME = 1855.934
ITER = 8 ER = 9.650269 TIME = 1855.934
ITER = 9 ER = 6.5401 TIME = 1855.934
ITER = 10 ER = 4.324036 TIME = 1855.934
Flow from storage = 79841.93 Flow into storage = 214.5726
Flow in from leakance = 1065334 Flow out via leakance 1298427
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 209014.3

Total Flow IN = 1510860 Total Flow OUT = 1507655
Percent of unaccounted water = -.2126067
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 274.6591 TIME = 1876.181
ITER = 2 ER = 139.0247 TIME = 1876.181
ITER = 3 ER = 74.42401 TIME = 1876.181
ITER = 4 ER = 48.13037 TIME = 1876.181
ITER = 5 ER = 29.2486 TIME = 1876.181
ITER = 6 ER = 19.71271 TIME = 1876.181
ITER = 7 ER = 12.65387 TIME = 1876.181
ITER = 8 ER = 8.765686 TIME = 1876.181
ITER = 9 ER = 5.876282 TIME = 1876.181
ITER = 10 ER = 4.209656 TIME = 1876.181
Flow from storage = 56866.16 Flow into storage = 60.34125
Flow in from leakance = 1065396 Flow out via leakance 1298278
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 186665.8

Total Flow IN = 1487951 Total Flow OUT = 1485004
Percent of unaccounted water = -.1984001
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 249.733 TIME = 1900.478
ITER = 2 ER = 98.25043 TIME = 1900.478
ITER = 3 ER = 57.53516 TIME = 1900.478
ITER = 4 ER = 34.91382 TIME = 1900.478
ITER = 5 ER = 23.69385 TIME = 1900.478
ITER = 6 ER = 15.59454 TIME = 1900.478
ITER = 7 ER = 11.02026 TIME = 1900.478
ITER = 8 ER = 7.599792 TIME = 1900.478
ITER = 9 ER = 5.536499 TIME = 1900.478
ITER = 10 ER = 3.989624 TIME = 1900.478
Flow from storage = 46319.83 Flow into storage = 44.11223
Flow in from leakance = 1065603 Flow out via leakance 1297501
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
[illegible]

Percent of unaccounted water = -.2443248
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 225.7839 TIME = 1929.635
ITER = 2 ER = 91.29333 TIME = 1929.635
ITER = 3 ER = 48.4718 TIME = 1929.635
ITER = 4 ER = 30.99695 TIME = 1929.635
ITER = 5 ER = 20.11218 TIME = 1929.635
ITER = 6 ER = 14.09271 TIME = 1929.635
ITER = 7 ER = 9.819031 TIME = 1929.635
ITER = 8 ER = 7.18927 TIME = 1929.635
ITER = 9 ER = 5.252136 TIME = 1929.635
ITER = 10 ER = 3.966675 TIME = 1929.635
Flow from storage = 40276.68 Flow into storage = 22.175
Flow in from leakance = 1065760 Flow out via leakance 1296733
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 170836.3

Total Flow IN = 1471748 Total Flow OUT = 1467595
Percent of unaccounted water = -.2830056
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 237.2187 TIME = 1964.623
ITER = 2 ER = 83.40656 TIME = 1964.623
ITER = 3 ER = 43.98163 TIME = 1964.623
ITER = 4 ER = 26.61609 TIME = 1964.623
ITER = 5 ER = 17.75061 TIME = 1964.623
ITER = 6 ER = 12.24774 TIME = 1964.623
ITER = 7 ER = 8.835815 TIME = 1964.623
ITER = 8 ER = 6.51355 TIME = 1964.623
ITER = 9 ER = 4.902649 TIME = 1964.623
Flow from storage = 36103.88 Flow into storage = 20.02665
Flow in from leakance = 1065692 Flow out via leakance 1296622
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 167356.1

Total Flow IN = 1467480 Total Flow OUT = 1463991
Percent of unaccounted water = -.2383041
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 229.9408 TIME = 2006.608
ITER = 2 ER = 88.09027 TIME = 2006.608
ITER = 3 ER = 45.02844 TIME = 2006.608
ITER = 4 ER = 27.01166 TIME = 2006.608
ITER = 5 ER = 17.53082 TIME = 2006.608
ITER = 6 ER = 12.00513 TIME = 2006.608
ITER = 7 ER = 8.612 TIME = 2006.608
ITER = 8 ER = 6.330994 TIME = 2006.608
ITER = 9 ER = 4.831299 TIME = 2006.608
Flow from storage = 33227.29 Flow into storage = 28.4398
Flow in from leakance = 1065187 Flow out via leakance 1297606
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 164988.2

Total Flow IN = 1464100 Total Flow OUT = 1462616
Percent of unaccounted water = -.101462
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 242.7568 TIME = 2056.99

```
ITER =  4  ER =  26.85515  TIME =  2056.99
ITER =  5  ER =  17.15906  TIME =  2056.99
ITER =  6  ER =  11.73596  TIME =  2056.99
ITER =  7  ER =  8.26593  TIME =  2056.99
ITER =  8  ER =  6.154663  TIME =  2056.99
ITER =  9  ER =  4.609558  TIME =  2056.99
Flow from storage = 30892.43    Flow into storage = 20.25923
Flow in from leakance = 1065848    Flow out via leakance 1295469
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 163238.2

Total Flow IN = 1462422    Total Flow OUT = 1458725
Percent of unaccounted water = -.2534319
WB = 100*(1 - ABS(TOTIN/TOTOUT))


ITER =  1  ER =  244.9898  TIME =  2117.449
ITER =  2  ER =  101.4543  TIME =  2117.449
ITER =  3  ER =  52.03168  TIME =  2117.449
ITER =  4  ER =  30.56006  TIME =  2117.449
ITER =  5  ER =  19.42554  TIME =  2117.449
ITER =  6  ER =  12.95667  TIME =  2117.449
ITER =  7  ER =  9.189697  TIME =  2117.449
ITER =  8  ER =  6.632446  TIME =  2117.449
ITER =  9  ER =  5.082886  TIME =  2117.449
ITER =  10  ER =  3.88269  TIME =  2117.449
Flow from storage = 28910.1    Flow into storage = 21.53844
Flow in from leakance = 1065820    Flow out via leakance 1295227
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 161787.9

Total Flow IN = 1460414    Total Flow OUT = 1457030
Percent of unaccounted water = -.2322189
WB = 100*(1 - ABS(TOTIN/TOTOUT))


ITER =  1  ER =  248.0032  TIME =  2190
ITER =  2  ER =  99.1637  TIME =  2190
ITER =  3  ER =  52.03461  TIME =  2190
ITER =  4  ER =  30.74603  TIME =  2190
ITER =  5  ER =  19.63458  TIME =  2190
ITER =  6  ER =  13.37213  TIME =  2190
ITER =  7  ER =  9.330261  TIME =  2190
ITER =  8  ER =  6.93335  TIME =  2190
ITER =  9  ER =  5.172241  TIME =  2190
ITER =  10  ER =  4.088623  TIME =  2190
Flow from storage = 26980.16    Flow into storage = 14.40252
Flow in from leakance = 1066031    Flow out via leakance 1294424
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 160541

Total Flow IN = 1458696    Total Flow OUT = 1454975
Percent of unaccounted water = -.2557691
WB = 100*(1 - ABS(TOTIN/TOTOUT))



This is a water balance for Wetland Area Number 1
  Flow INTO aquifer from Leakance terms is  0  GPD
  Flow OUT of aquifer from Leakance terms is  0  GPD
  Flow INTO aquifer from net Withdrawal terms is  1997.339  GPD
  Flow OUT of aquifer from net Withdrawal terms is  0  GPD
    Sum of Ins minus Outs (PLUS means in) =  1997.339  GPD
```

This is a water balance for Wetland Area Number 2
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 1810.228 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 1810.228 GPD

This is a water balance for Wetland Area Number 3
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 249.6598 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 249.6598 GPD

This is a water balance for Wetland Area Number 4
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 536.5894 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 536.5894 GPD

This is a water balance for Wetland Area Number 5
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 631.5697 GPD
  Flow INTO aquifer from net Withdrawal terms is 2032.319 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 1400.749 GPD

This is a water balance for Wetland Area Number 6
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 86.79858 GPD
  Flow INTO aquifer from net Withdrawal terms is 639.3596 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 552.561 GPD

This is a water balance for Wetland Area Number 7
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 371.7597 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 371.7597 GPD

This is a water balance for Wetland Area Number 8
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 363.2997 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 363.2997 GPD

This is a water balance for Wetland Area Number 9
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 3234.976 GPD
  Flow INTO aquifer from net Withdrawal terms is 7403.042 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 4168.066 GPD

This is a water balance for Wetland Area Number 10

Flow INTO aquifer from net Withdrawal terms is 5962.897 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 5962.897 GPD

This is a water balance for Lower third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 10529.79 GPD
Flow INTO aquifer from net Withdrawal terms is 987.3591 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -9542.426 GPD

This is a water balance for Middle third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 102.5391 GPD
Flow OUT of aquifer from Leakance terms is 14012.45 GPD
Flow INTO aquifer from net Withdrawal terms is 3167.647 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -10742.26 GPD

This is a water balance for Upper third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 19.53125 GPD
Flow OUT of aquifer from Leakance terms is 3339.844 GPD
Flow INTO aquifer from net Withdrawal terms is 1214.399 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -2105.914 GPD

This is a water balance for Flambeau River DOWNSTREAM of mine area
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 15825.34 GPD
Flow INTO aquifer from net Withdrawal terms is 1710.972 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -14114.37 GPD

This is a water balance for Flambeau River ADJACENT to mine area
Flow INTO aquifer from Leakance terms is 67367.28 GPD
Flow OUT of aquifer from Leakance terms is 67603.7 GPD
Flow INTO aquifer from net Withdrawal terms is 1030.926 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 794.5039 GPD

This is a water balance for Flambeau River UPSTREAM of mine area
Flow INTO aquifer from Leakance terms is 12163.09 GPD
Flow OUT of aquifer from Leakance terms is 996284.2 GPD
Flow INTO aquifer from net Withdrawal terms is 4978.508 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -979142.6 GPD

This is a water balance for FIRST Column flow
Flow INTO aquifer from Leakance terms is 222175.3 GPD
Flow OUT of aquifer from Leakance terms is 48713.38 GPD
Flow INTO aquifer from net Withdrawal terms is 7022.827 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 180484.8 GPD

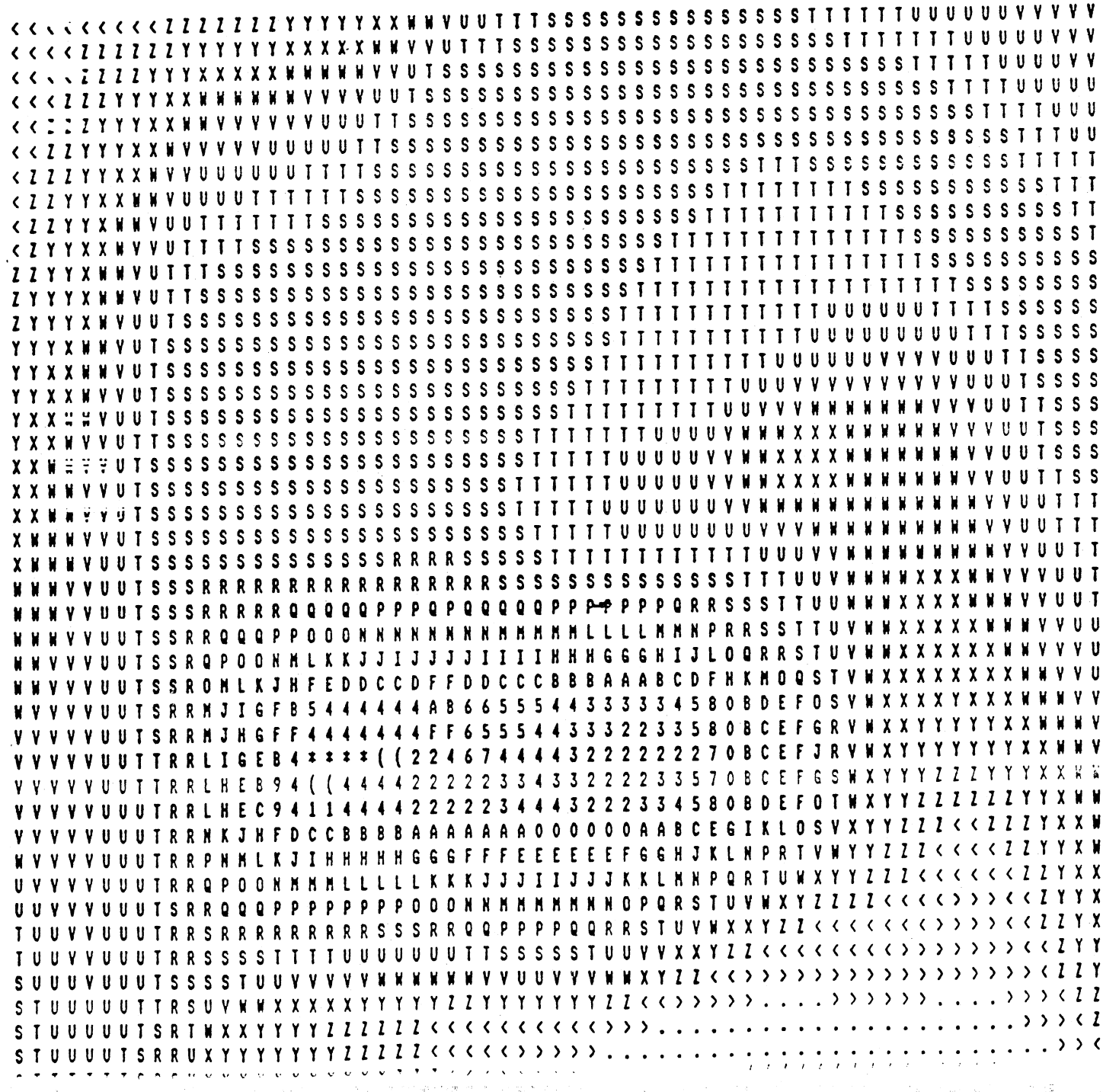
This is a water balance for LAST Column flow
Flow INTO aquifer from Leakance terms is 13139.65 GPD

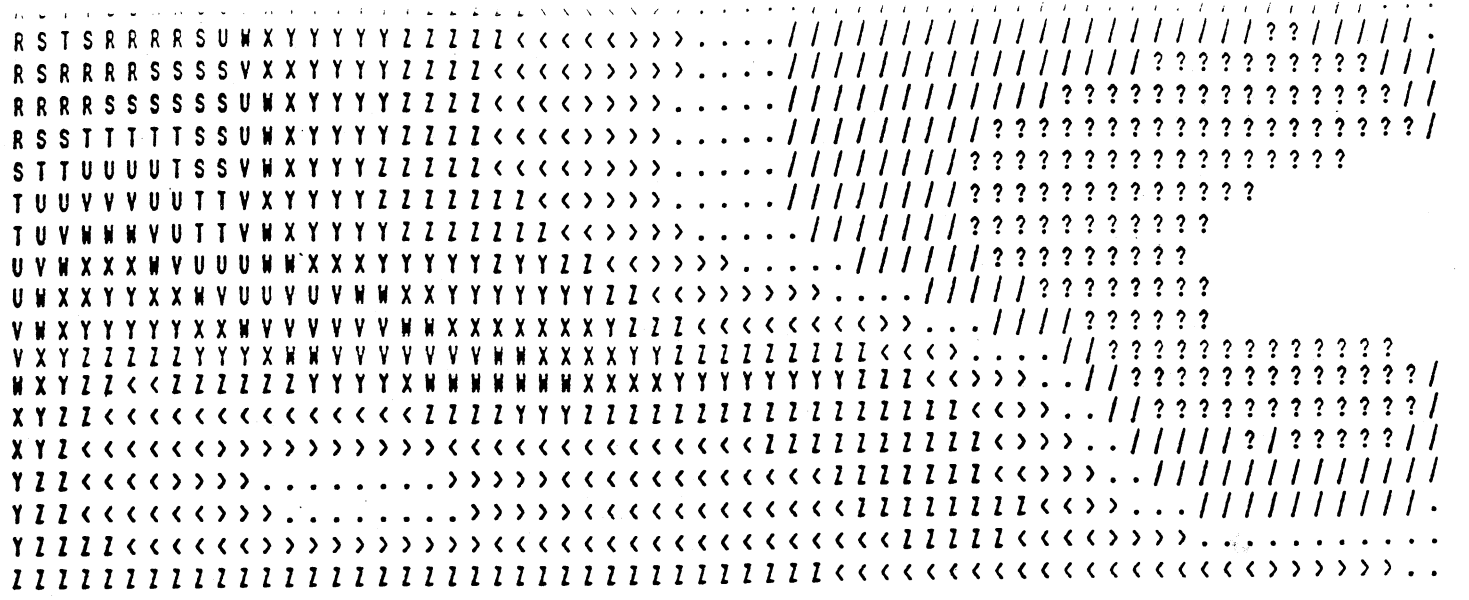
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -3747.109 GPD

This is a water balance for FIRST Row flow
Flow INTO aquifer from Leakance terms is 750988.8 GPD
Flow OUT of aquifer from Leakance terms is 44492.19 GPD
Flow INTO aquifer from net Withdrawal terms is 3038.636 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 709535.2 GPD

This is a water balance for LAST Row flow
Flow INTO aquifer from Leakance terms is 34.17969 GPD
Flow OUT of aquifer from Leakance terms is 18908.69 GPD
Flow INTO aquifer from net Withdrawal terms is 6465.11 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -12409.4 GPD

CATEGORY PRINTOUT





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 MINE NODE TURNED ON AT I= 17   J= 30   ELEVATION = 1020
 MINE NODE TURNED ON AT I= 18   J= 30   ELEVATION = 960
 MINE NODE TURNED ON AT I= 19   J= 30   ELEVATION = 960
 MINE NODE TURNED ON AT I= 20   J= 30   ELEVATION = 960
 MINE NODE TURNED ON AT I= 21   J= 30   ELEVATION = 960
 MINE NODE TURNED ON AT I= 22   J= 30   ELEVATION = 960
 MINE NODE TURNED ON AT I= 23   J= 30   ELEVATION = 960
 MINE NODE TURNED ON AT I= 24   J= 30   ELEVATION = 960
 MINE NODE TURNED ON AT I= 25   J= 30   ELEVATION = 1020
 MINE NODE TURNED ON AT I= 26   J= 30   ELEVATION = 1020
 MINE NODE TURNED ON AT I= 17   J= 31   ELEVATION = 960
 MINE NODE TURNED ON AT I= 18   J= 31   ELEVATION = 900
 MINE NODE TURNED ON AT I= 19   J= 31   ELEVATION = 900
 MINE NODE TURNED ON AT I= 20   J= 31   ELEVATION = 900
 MINE NODE TURNED ON AT I= 21   J= 31   ELEVATION = 900
 MINE NODE TURNED ON AT I= 22   J= 31   ELEVATION = 900
 MINE NODE TURNED ON AT I= 23   J= 31   ELEVATION = 900
 MINE NODE TURNED ON AT I= 24   J= 31   ELEVATION = 950
 MINE NODE TURNED ON AT I= 25   J= 31   ELEVATION = 950
 MINE NODE TURNED ON AT I= 26   J= 31   ELEVATION = 960
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 MINE NODE TURNED ON AT I= 36   J= 31   ELEVATION = 930
 MINE NODE TURNED ON AT I= 37   J= 31   ELEVATION = 920
 MINE NODE TURNED ON AT I= 38   J= 31   ELEVATION = 910
 MINE NODE TURNED ON AT I= 39   J= 31   ELEVATION = 910
 MINE NODE TURNED ON AT I= 40   J= 31   ELEVATION = 920
 MINE NODE TURNED ON AT I= 17   J= 32   ELEVATION = 960
 MINE NODE TURNED ON AT I= 18   J= 32   ELEVATION = 940
 MINE NODE TURNED ON AT I= 19   J= 32   ELEVATION = 940
 MINE NODE TURNED ON AT I= 20   J= 32   ELEVATION = 960
 MINE NODE TURNED ON AT I= 21   J= 32   ELEVATION = 960
 MINE NODE TURNED ON AT I= 22   J= 32   ELEVATION = 960
 MINE NODE TURNED ON AT I= 23   J= 32   ELEVATION = 960
 MINE NODE TURNED ON AT I= 24   J= 32   ELEVATION = 950
 MINE NODE TURNED ON AT I= 25   J= 32   ELEVATION = 950
 MINE NODE TURNED ON AT I= 26   J= 32   ELEVATION = 950
 MINE NODE TURNED ON AT I= 27   J= 32   ELEVATION = 950
 MINE NODE TURNED ON AT I= 28   J= 32   ELEVATION = 950
 MINE NODE TURNED ON AT I= 34   J= 32   ELEVATION = 950
 MINE NODE TURNED ON AT I= 35   J= 32   ELEVATION = 950
ITER =  1  ER =  468.16  TIME =  2204.061
ITER =  2  ER =  221.2236  TIME =  2204.061
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 ITER =  6  ER =  14.92267  TIME =  2204.061
 ITER =  7  ER =  8.734314  TIME =  2204.061
 ITER =  8  ER =  5.473694  TIME =  2204.061
 ITER =  9  ER =  3.474304  TIME =  2204.061
Flow from storage = 94995.07    Flow into storage = 69.97848
Flow in from leakance = 1065556    Flow out via leakance 1295311
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 7630.323    Flow to constant heads = 235903.8

Total Flow IN = 1533879    Total Flow OUT = 1531298
Percent of unaccounted water = -.1691631
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  225.4719  TIME =  2220.934
 ITER =  2  ER =  109.222  TIME =  2220.934
 ITER =  3  ER =  55.39667  TIME =  2220.934
 ITER =  4  ER =  31.55353  TIME =  2220.934
 ITER =  5  ER =  19.60602  TIME =  2220.934
 ITER =  6  ER =  12.19336  TIME =  2220.934
 ITER =  7  ER =  8.061829  TIME =  2220.934
 ITER =  8  ER =  5.308472  TIME =  2220.934
 ITER =  9  ER =  3.670593  TIME =  2220.934
Flow from storage = 53510.28    Flow into storage = 45.0785
Flow in from leakance = 1065687    Flow out via leakance 1294667
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 187033.3

Total Flow IN = 1484880    Total Flow OUT = 1481745
Percent of unaccounted water = -.2116086
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  160.3013  TIME =  2241.182
 ITER =  2  ER =  68.51074  TIME =  2241.182
 ITER =  3  ER =  37.17297  TIME =  2241.182
 ITER =  4  ER =  23.75476  TIME =  2241.182
 ITER =  5  ER =  15.21735  TIME =  2241.182
 ITER =  6  ER =  10.42145  TIME =  2241.182
 ITER =  7  ER =  7.063965  TIME =  2241.182
 ITER =  8  ER =  5.006287  TIME =  2241.182
 ITER =  9  ER =  3.535828  TIME =  2241.182
Flow from storage = 39486.5    Flow into storage = 44.78523
Flow in from leakance = 1065671    Flow out via leakance 1294421
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 34.47464    Flow to constant heads = 173282.1

Total Flow IN = 1470882    Total Flow OUT = 1467748
Percent of unaccounted water = -.2135159
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  148.7178  TIME =  2265.479
 ITER =  2  ER =  54.20203  TIME =  2265.479
 ITER =  3  ER =  30.47363  TIME =  2265.479
 ITER =  4  ER =  19.37256  TIME =  2265.479
 ITER =  5  ER =  13.26501  TIME =  2265.479
 ITER =  6  ER =  9.160217  TIME =  2265.479
 ITER =  7  ER =  6.59906  TIME =  2265.479
 ITER =  8  ER =  4.749084  TIME =  2265.479
Flow from storage = 33862.89    Flow into storage = 16.35748
Flow in from leakance = 1065964    Flow out via leakance 1293741
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
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Total Flow IN = 1465519    Total Flow OUT = 1461771
Percent of unaccounted water = -.2563585
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  144.2978  TIME =  2294.635
 ITER =  2  ER =  51.2868  TIME =  2294.635
 ITER =  3  ER =  27.23682  TIME =  2294.635
 ITER =  4  ER =  17.59546  TIME =  2294.635
 ITER =  5  ER =  11.87506  TIME =  2294.635
 ITER =  6  ER =  8.531494  TIME =  2294.635
 ITER =  7  ER =  6.169312  TIME =  2294.635
 ITER =  8  ER =  4.616089  TIME =  2294.635
Flow from storage = 30765.15    Flow into storage = 30.00347
Flow in from leakance = 1066017    Flow out via leakance 1293048
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 165179

Total Flow IN = 1462491    Total Flow OUT = 1458261
Percent of unaccounted water = -.2900802
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  154.9689  TIME =  2329.623
 ITER =  2  ER =  49.98724  TIME =  2329.623
 ITER =  3  ER =  26.30701  TIME =  2329.623
 ITER =  4  ER =  16.33197  TIME =  2329.623
 ITER =  5  ER =  11.22644  TIME =  2329.623
 ITER =  6  ER =  7.949463  TIME =  2329.623
 ITER =  7  ER =  5.892029  TIME =  2329.623
 ITER =  8  ER =  4.416077  TIME =  2329.623
Flow from storage = 28714.38    Flow into storage = 27.43219
Flow in from leakance = 1065815    Flow out via leakance 1293286
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 163383.6

Total Flow IN = 1460218    Total Flow OUT = 1456691
Percent of unaccounted water = -.2420897
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  156.8286  TIME =  2371.608
 ITER =  2  ER =  54.78375  TIME =  2371.608
 ITER =  3  ER =  27.16309  TIME =  2371.608
 ITER =  4  ER =  16.60468  TIME =  2371.608
 ITER =  5  ER =  11.02307  TIME =  2371.608
 ITER =  6  ER =  7.846497  TIME =  2371.608
 ITER =  7  ER =  5.788513  TIME =  2371.608
 ITER =  8  ER =  4.39093  TIME =  2371.608
Flow from storage = 27141.49    Flow into storage = 24.95904
Flow in from leakance = 1065461    Flow out via leakance 1294548
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 162107.2

Total Flow IN = 1458290    Total Flow OUT = 1456675
Percent of unaccounted water = -.1108775
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  173.899  TIME =  2421.991
 ITER =  2  ER =  58.75391  TIME =  2421.991
 ITER =  3  ER =  29.35675  TIME =  2421.991
 ITER =  4  ER =  17.27832  TIME =  2421.991
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 ITER =  8  ER =  4.419556  TIME =  2421.991
Flow from storage = 25768.64    Flow into storage = 17.78756
Flow in from leakance = 1066075    Flow out via leakance 1292417
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 161122.1

Total Flow IN = 1457522    Total Flow OUT = 1453554
Percent of unaccounted water = -.2729947
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  176.4735  TIME =  2482.45
 ITER =  2  ER =  69.26489  TIME =  2482.45
 ITER =  3  ER =  34.58118  TIME =  2482.45
 ITER =  4  ER =  20.60016  TIME =  2482.45
 ITER =  5  ER =  13.13562  TIME =  2482.45
 ITER =  6  ER =  8.989197  TIME =  2482.45
 ITER =  7  ER =  6.450562  TIME =  2482.45
 ITER =  8  ER =  4.775391  TIME =  2482.45
Flow from storage = 24505.13    Flow into storage = 16.96953
Flow in from leakance = 1066037    Flow out via leakance 1292283
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 160293.3

Total Flow IN = 1456224    Total Flow OUT = 1452588
Percent of unaccounted water = -.2502774
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  188.2865  TIME =  2555
 ITER =  2  ER =  70.94537  TIME =  2555
 ITER =  3  ER =  36.60577  TIME =  2555
 ITER =  4  ER =  21.39508  TIME =  2555
 ITER =  5  ER =  13.84406  TIME =  2555
 ITER =  6  ER =  9.474731  TIME =  2555
 ITER =  7  ER =  6.778259  TIME =  2555
 ITER =  8  ER =  5.078552  TIME =  2555
 ITER =  9  ER =  3.899963  TIME =  2555
Flow from storage = 23393.73    Flow into storage = 14.57087
Flow in from leakance = 1066145    Flow out via leakance 1291677
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 159546.1

Total Flow IN = 1455226    Total Flow OUT = 1451234
Percent of unaccounted water = -.2751022
WB = 100*(1 - ABS(TOTIN/TOTOUT))




This is a water balance for Wetland Area Number 1
  Flow INTO aquifer from Leakance terms is  0  GPD
  Flow OUT of aquifer from Leakance terms is  0  GPD
  Flow INTO aquifer from net Withdrawal terms is  1997.339  GPD
  Flow OUT of aquifer from net Withdrawal terms is  0  GPD
    Sum of Ins minus Outs (PLUS means in) =  1997.339  GPD


This is a water balance for Wetland Area Number 2
  Flow INTO aquifer from Leakance terms is  0  GPD
  Flow OUT of aquifer from Leakance terms is  0  GPD
  Flow INTO aquifer from net Withdrawal terms is  1810.228  GPD
  Flow OUT of aquifer from net Withdrawal terms is  0  GPD
    Sum of Ins minus Outs (PLUS means in) =  1810.228  GPD
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This is a water balance for Wetland Area Number 3
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 249.6598 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 249.6598 GPD

This is a water balance for Wetland Area Number 4
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 536.5894 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 536.5894 GPD

This is a water balance for Wetland Area Number 5
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 501.9484 GPD
  Flow INTO aquifer from net Withdrawal terms is 2032.319 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 1530.37 GPD

This is a water balance for Wetland Area Number 6
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 71.1004 GPD
  Flow INTO aquifer from net Withdrawal terms is 639.3596 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 568.2592 GPD

This is a water balance for Wetland Area Number 7
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 371.7597 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 371.7597 GPD

This is a water balance for Wetland Area Number 8
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 363.2997 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 363.2997 GPD

This is a water balance for Wetland Area Number 9
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 3226.432 GPD
  Flow INTO aquifer from net Withdrawal terms is 7403.042 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 4176.61 GPD

This is a water balance for Wetland Area Number 10
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 5962.897 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 5962.897 GPD

Flow OUT of aquifer from Leakance terms is 10529.79 GPD
Flow INTO aquifer from net Withdrawal terms is 987.3591 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -9542.426 GPD

This is a water balance for Middle third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 102.5391 GPD
Flow OUT of aquifer from Leakance terms is 14012.45 GPD
Flow INTO aquifer from net Withdrawal terms is 3167.647 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -10742.26 GPD

This is a water balance for Upper third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 19.53125 GPD
Flow OUT of aquifer from Leakance terms is 3334.961 GPD
Flow INTO aquifer from net Withdrawal terms is 1214.399 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -2101.031 GPD

This is a water balance for Flambeau River DOWNSTREAM of mine area
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 15835.4 GPD
Flow INTO aquifer from net Withdrawal terms is 1710.972 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -14124.43 GPD

This is a water balance for Flambeau River ADJACENT to mine area
Flow INTO aquifer from Leakance terms is 67393.94 GPD
Flow OUT of aquifer from Leakance terms is 67394.97 GPD
Flow INTO aquifer from net Withdrawal terms is 1030.926 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 1029.895 GPD

This is a water balance for Flambeau River UPSTREAM of mine area
Flow INTO aquifer from Leakance terms is 12182.62 GPD
Flow OUT of aquifer from Leakance terms is 994669 GPD
Flow INTO aquifer from net Withdrawal terms is 4978.508 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -977507.9 GPD

This is a water balance for FIRST Column flow
Flow INTO aquifer from Leakance terms is 222214.4 GPD
Flow OUT of aquifer from Leakance terms is 48713.38 GPD
Flow INTO aquifer from net Withdrawal terms is 7022.827 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 180523.8 GPD

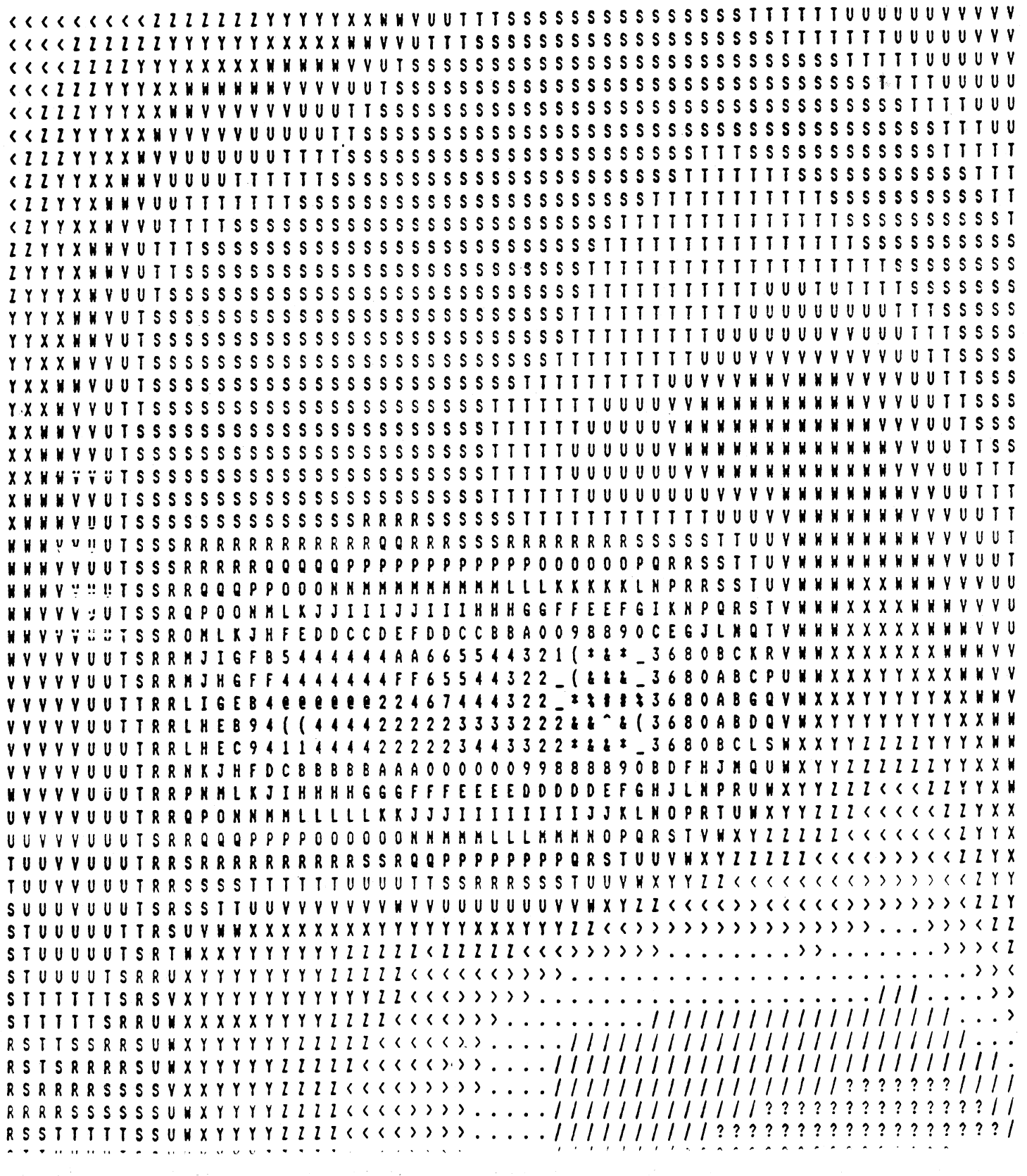
This is a water balance for LAST Column flow
Flow INTO aquifer from Leakance terms is 13217.77 GPD
Flow OUT of aquifer from Leakance terms is 20683.59 GPD
Flow INTO aquifer from net Withdrawal terms is 4014.122 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -3451.698 GPD

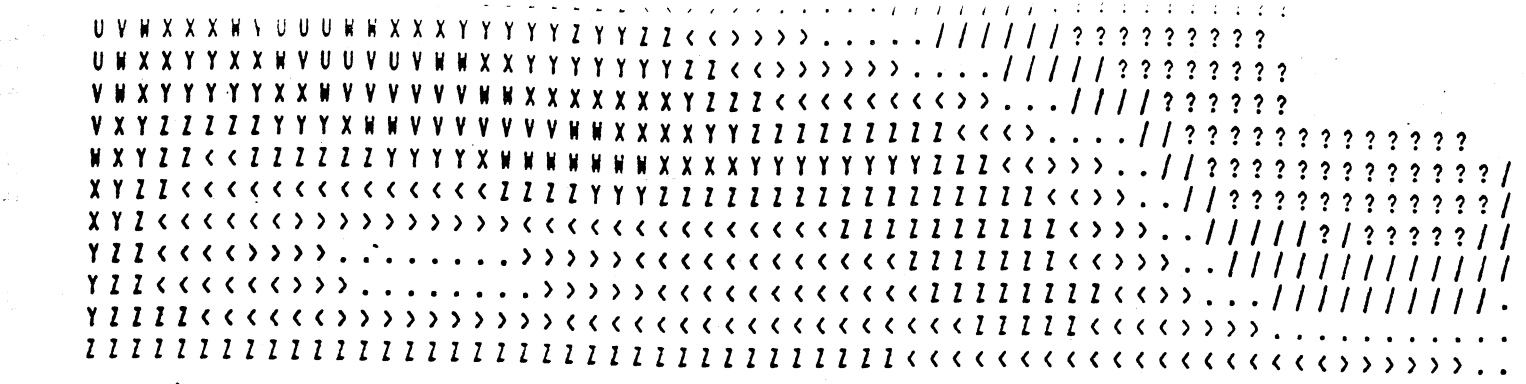
This is a water balance for FIRST Row flow
Flow INTO aquifer from Leakance terms is 750302 GPD

Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 709443.6 GPD

This is a water balance for LAST Row flow
Flow INTO aquifer from Leakance terms is 34.17969 GPD
Flow OUT of aquifer from Leakance terms is 18908.69 GPD
Flow INTO aquifer from net Withdrawal terms is 6465.11 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -12409.4 GPD

CATEGORY PRINTOUT





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 MINE NODE TURNED ON AT I= 18  J= 30  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 19  J= 30  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 20  J= 30  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 21  J= 30  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 22  J= 30  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 23  J= 30  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 24  J= 30  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 25  J= 30  ELEVATION = 1020
 MINE NODE TURNED ON AT I= 26  J= 30  ELEVATION = 1020
 MINE NODE TURNED ON AT I= 17  J= 31  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 18  J= 31  ELEVATION = 900.0001
 MINE NODE TURNED ON AT I= 19  J= 31  ELEVATION = 900.0001
 MINE NODE TURNED ON AT I= 20  J= 31  ELEVATION = 900.0001
 MINE NODE TURNED ON AT I= 21  J= 31  ELEVATION = 900.0001
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 MINE NODE TURNED ON AT I= 23  J= 31  ELEVATION = 900.0001
 MINE NODE TURNED ON AT I= 24  J= 31  ELEVATION = 950.0001
 MINE NODE TURNED ON AT I= 25  J= 31  ELEVATION = 950.0001
 MINE NODE TURNED ON AT I= 26  J= 31  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 27  J= 31  ELEVATION = 970.0002
 MINE NODE TURNED ON AT I= 28  J= 31  ELEVATION = 979.9999
 MINE NODE TURNED ON AT I= 36  J= 31  ELEVATION = 930.0001
 MINE NODE TURNED ON AT I= 37  J= 31  ELEVATION = 919.9999
 MINE NODE TURNED ON AT I= 38  J= 31  ELEVATION = 909.9999
 MINE NODE TURNED ON AT I= 39  J= 31  ELEVATION = 909.9999
 MINE NODE TURNED ON AT I= 40  J= 31  ELEVATION = 919.9999
 MINE NODE TURNED ON AT I= 17  J= 32  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 18  J= 32  ELEVATION = 939.9999
 MINE NODE TURNED ON AT I= 19  J= 32  ELEVATION = 939.9999
 MINE NODE TURNED ON AT I= 20  J= 32  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 21  J= 32  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 22  J= 32  ELEVATION = 960.0002
 MINE NODE TURNED ON AT I= 23  J= 32  ELEVATION = 960.0002
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 MINE NODE TURNED ON AT I= 26  J= 32  ELEVATION = 950.0001
 MINE NODE TURNED ON AT I= 27  J= 32  ELEVATION = 950.0001
 MINE NODE TURNED ON AT I= 28  J= 32  ELEVATION = 950.0001
 MINE NODE TURNED ON AT I= 34  J= 32  ELEVATION = 950.0001
 MINE NODE TURNED ON AT I= 35  J= 32  ELEVATION = 950.0001
ITER =  1  ER =  505.9425  TIME =  2569.061
ITER =  2  ER =  265.336  TIME =  2569.061
ITER =  3  ER =  166.139  TIME =  2569.061
ITER =  4  ER =  89.56738  TIME =  2569.061
ITER =  5  ER =  56.8374  TIME =  2569.061
ITER =  6  ER =  32.76038  TIME =  2569.061
ITER =  7  ER =  20.69696  TIME =  2569.061
ITER =  8  ER =  12.27246  TIME =  2569.061
ITER =  9  ER =  7.826111  TIME =  2569.061
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Flow from storage = 21699 Flow into storage = 149421.6
Flow in from leakance = 1054662 Flow out via leakance 1292669
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 0

Total Flow IN = 1442259 Total Flow OUT = 1442095
Percent of unaccounted water = -1.141569E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 1555.571 TIME = 2585.934
ITER = 2 ER = 487.1207 TIME = 2585.934
ITER = 3 ER = 229.943 TIME = 2585.934
ITER = 4 ER = 122.8972 TIME = 2585.934
ITER = 5 ER = 80.32806 TIME = 2585.934
ITER = 6 ER = 49.69769 TIME = 2585.934
ITER = 7 ER = 33.25464 TIME = 2585.934
ITER = 8 ER = 22.14209 TIME = 2585.934
ITER = 9 ER = 14.85522 TIME = 2585.934
ITER = 10 ER = 10.31897 TIME = 2585.934
ITER = 11 ER = 7.001404 TIME = 2585.934
ITER = 12 ER = 4.970459 TIME = 2585.934
Flow from storage = 101156 Flow into storage = 240246.5
Flow in from leakance = 1065063 Flow out via leakance 1292139
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 0

Total Flow IN = 1531905 Total Flow OUT = 1532385
Percent of unaccounted water = 3.131557E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 529.6607 TIME = 2606.182
ITER = 2 ER = 322.1329 TIME = 2606.182
ITER = 3 ER = 243.8561 TIME = 2606.182
ITER = 4 ER = 183.6615 TIME = 2606.182
ITER = 5 ER = 142.1439 TIME = 2606.182
ITER = 6 ER = 104.6227 TIME = 2606.182
ITER = 7 ER = 79.48248 TIME = 2606.182
ITER = 8 ER = 57.66418 TIME = 2606.182
ITER = 9 ER = 43.65643 TIME = 2606.182
ITER = 10 ER = 31.53888 TIME = 2606.182
ITER = 11 ER = 23.9234 TIME = 2606.182
ITER = 12 ER = 17.29938 TIME = 2606.182
ITER = 13 ER = 13.18951 TIME = 2606.182
ITER = 14 ER = 9.567078 TIME = 2606.182
ITER = 15 ER = 7.355103 TIME = 2606.182
ITER = 16 ER = 5.384033 TIME = 2606.182
ITER = 17 ER = 4.186829 TIME = 2606.182
Flow from storage = 21739.27 Flow into storage = 157751.9
Flow in from leakance = 1063213 Flow out via leakance 1292067
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 0

Total Flow IN = 1450644 Total Flow OUT = 1449818
Percent of unaccounted water = -5.697268E-02
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 376.1935 TIME = 2630.479
ITER = 2 ER = 344.5658 TIME = 2630.479
ITER = 3 ER = 273.6824 TIME = 2630.479
ITER = 4 ER = 228.8912 TIME = 2630.479
ITER = 5 ER = 179.0414 TIME = 2630.479

ITER = 9 ER = 68.03583 TIME = 2630.479
ITER = 10 ER = 54.28784 TIME = 2630.479
ITER = 11 ER = 41.38989 TIME = 2630.479
ITER = 12 ER = 33.08026 TIME = 2630.479
ITER = 13 ER = 25.21289 TIME = 2630.479
ITER = 14 ER = 20.23175 TIME = 2630.479
ITER = 15 ER = 15.45953 TIME = 2630.479
ITER = 16 ER = 12.44946 TIME = 2630.479
ITER = 17 ER = 9.546387 TIME = 2630.479
ITER = 18 ER = 7.739014 TIME = 2630.479
ITER = 19 ER = 5.975525 TIME = 2630.479
ITER = 20 ER = 4.888428 TIME = 2630.479
Flow from storage = 18094.05 Flow into storage = 148427.1
Flow in from leakance = 1058012 Flow out via leakance 1291611
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 0

Total Flow IN = 1441799 Total Flow OUT = 1440040
Percent of unaccounted water = -.1221928
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 384.9087 TIME = 2659.635
ITER = 2 ER = 340.7863 TIME = 2659.635
ITER = 3 ER = 295.7076 TIME = 2659.635
ITER = 4 ER = 247.4622 TIME = 2659.635
ITER = 5 ER = 210.3083 TIME = 2659.635
ITER = 6 ER = 171.0316 TIME = 2659.635
ITER = 7 ER = 143.2548 TIME = 2659.635
ITER = 8 ER = 115.1213 TIME = 2659.635
ITER = 9 ER = 95.89929 TIME = 2659.635
ITER = 10 ER = 76.67902 TIME = 2659.635
ITER = 11 ER = 63.82935 TIME = 2659.635
ITER = 12 ER = 50.93921 TIME = 2659.635
ITER = 13 ER = 42.44159 TIME = 2659.635
ITER = 14 ER = 33.88696 TIME = 2659.635
ITER = 15 ER = 28.29437 TIME = 2659.635
ITER = 16 ER = 22.60486 TIME = 2659.635
ITER = 17 ER = 18.94305 TIME = 2659.635
ITER = 18 ER = 15.15881 TIME = 2659.635
ITER = 19 ER = 12.7478 TIME = 2659.635
ITER = 20 ER = 10.22449 TIME = 2659.635
ITER = 21 ER = 8.645691 TIME = 2659.635
ITER = 22 ER = 6.963257 TIME = 2659.635
ITER = 23 ER = 5.906311 TIME = 2659.635
ITER = 24 ER = 4.780029 TIME = 2659.635
Flow from storage = 16753.77 Flow into storage = 141048.3
Flow in from leakance = 1052093 Flow out via leakance 1291175
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 0

Total Flow IN = 1434556 Total Flow OUT = 1432229
Percent of unaccounted water = -.1624915
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 379.032 TIME = 2694.623
ITER = 2 ER = 347.3157 TIME = 2694.623
ITER = 3 ER = 296.9391 TIME = 2694.623
ITER = 4 ER = 265.8569 TIME = 2694.623
ITER = 5 ER = 226.0098 TIME = 2694.623
ITER = 6 ER = 197.533 TIME = 2694.623
ITER = 7 ER = 165.6786 TIME = 2694.623

ITER = 11 ER = 85.66382 TIME = 2694.623
ITER = 12 ER = 73.90149 TIME = 2694.623
ITER = 13 ER = 61.32947 TIME = 2694.623
ITER = 14 ER = 52.95129 TIME = 2694.623
ITER = 15 ER = 43.94159 TIME = 2694.623
ITER = 16 ER = 38.0163 TIME = 2694.623
ITER = 17 ER = 31.55414 TIME = 2694.623
ITER = 18 ER = 27.35071 TIME = 2694.623
ITER = 19 ER = 22.72821 TIME = 2694.623
ITER = 20 ER = 19.74927 TIME = 2694.623
ITER = 21 ER = 16.42047 TIME = 2694.623
ITER = 22 ER = 14.3075 TIME = 2694.623
ITER = 23 ER = 11.9082 TIME = 2694.623
ITER = 24 ER = 10.41309 TIME = 2694.623
ITER = 25 ER = 8.68219 TIME = 2694.623
ITER = 26 ER = 7.612671 TIME = 2694.623
ITER = 27 ER = 6.366943 TIME = 2694.623
ITER = 28 ER = 5.605713 TIME = 2694.623
ITER = 29 ER = 4.695679 TIME = 2694.623
Flow from storage = 15585.58 Flow into storage = 133620.4
Flow in from leakance = 1045920 Flow out via leakance 1291552
Flow in from withdrawal = 365699.5 Flow out via withdrawal = 0
Flow from constant heads = 0 Flow to constant heads = 0

Total Flow IN = 1427190 Total Flow OUT = 1425167
Percent of unaccounted water = -.1419571
WB = 100*(1 - ABS(TOTIN/TOTOUT))

ITER = 1 ER = 393.8236 TIME = 2736.609
ITER = 2 ER = 331.9582 TIME = 2736.609
ITER = 3 ER = 297.665 TIME = 2736.609
ITER = 4 ER = 262.6044 TIME = 2736.609
ITER = 5 ER = 237.2856 TIME = 2736.609
ITER = 6 ER = 206.5469 TIME = 2736.609
ITER = 7 ER = 184.8865 TIME = 2736.609
ITER = 8 ER = 159.6678 TIME = 2736.609
ITER = 9 ER = 142.286 TIME = 2736.609
ITER = 10 ER = 122.4403 TIME = 2736.609
ITER = 11 ER = 108.9404 TIME = 2736.609
ITER = 12 ER = 93.60132 TIME = 2736.609
ITER = 13 ER = 83.29443 TIME = 2736.609
ITER = 14 ER = 71.50775 TIME = 2736.609
ITER = 15 ER = 63.70032 TIME = 2736.609
ITER = 16 ER = 54.68237 TIME = 2736.609
ITER = 17 ER = 48.7533 TIME = 2736.609
ITER = 18 ER = 41.85541 TIME = 2736.609
ITER = 19 ER = 37.3808 TIME = 2736.609
ITER = 20 ER = 32.10724 TIME = 2736.609
ITER = 21 ER = 28.711 TIME = 2736.609
ITER = 22 ER = 24.6618 TIME = 2736.609
ITER = 23 ER = 22.08252 TIME = 2736.609
ITER = 24 ER = 18.98041 TIME = 2736.609
ITER = 25 ER = 17.02112 TIME = 2736.609
ITER = 26 ER = 14.65253 TIME = 2736.609
ITER = 27 ER = 13.16132 TIME = 2736.609
ITER = 28 ER = 11.32886 TIME = 2736.609
ITER = 29 ER = 10.20319 TIME = 2736.609
ITER = 30 ER = 8.793945 TIME = 2736.609
ITER = 31 ER = 7.919983 TIME = 2736.609
ITER = 32 ER = 6.84729 TIME = 2736.609
ITER = 33 ER = 6.183716 TIME = 2736.609
ITER = 34 ER = 5.346558 TIME = 2736.609

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Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 1419225    Total Flow OUT = 1419224
Percent of unaccounted water = -4.403814E-05
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  395.0883  TIME =  2786.991
 ITER =  2  ER =  325.6848  TIME =  2786.991
 ITER =  3  ER =  278.1298  TIME =  2786.991
 ITER =  4  ER =  256.5678  TIME =  2786.991
 ITER =  5  ER =  228.1437  TIME =  2786.991
 ITER =  6  ER =  209.7487  TIME =  2786.991
 ITER =  7  ER =  185.9791  TIME =  2786.991
 ITER =  8  ER =  170.2767  TIME =  2786.991
 ITER =  9  ER =  150.5232  TIME =  2786.991
 ITER =  10  ER =  137.5623  TIME =  2786.991
 ITER =  11  ER =  121.4207  TIME =  2786.991
 ITER =  12  ER =  110.9296  TIME =  2786.991
 ITER =  13  ER =  97.82794  TIME =  2786.991
 ITER =  14  ER =  89.39868  TIME =  2786.991
 ITER =  15  ER =  78.8183  TIME =  2786.991
 ITER =  16  ER =  72.09369  TIME =  2786.991
 ITER =  17  ER =  63.53955  TIME =  2786.991
 ITER =  18  ER =  58.15369  TIME =  2786.991
 ITER =  19  ER =  51.27051  TIME =  2786.991
 ITER =  20  ER =  46.95282  TIME =  2786.991
 ITER =  21  ER =  41.40356  TIME =  2786.991
 ITER =  22  ER =  37.9635  TIME =  2786.991
 ITER =  23  ER =  33.47485  TIME =  2786.991
 ITER =  24  ER =  30.70807  TIME =  2786.991
 ITER =  25  ER =  27.09241  TIME =  2786.991
 ITER =  26  ER =  24.88196  TIME =  2786.991
 ITER =  27  ER =  21.92963  TIME =  2786.991
 ITER =  28  ER =  20.17847  TIME =  2786.991
 ITER =  29  ER =  17.79095  TIME =  2786.991
 ITER =  30  ER =  16.375  TIME =  2786.991
 ITER =  31  ER =  14.46027  TIME =  2786.991
 ITER =  32  ER =  13.31287  TIME =  2786.991
 ITER =  33  ER =  11.75519  TIME =  2786.991
 ITER =  34  ER =  10.84534  TIME =  2786.991
 ITER =  35  ER =  9.595093  TIME =  2786.991
 ITER =  36  ER =  8.843506  TIME =  2786.991
 ITER =  37  ER =  7.819336  TIME =  2786.991
 ITER =  38  ER =  7.234131  TIME =  2786.991
 ITER =  39  ER =  6.403198  TIME =  2786.991
 ITER =  40  ER =  5.928284  TIME =  2786.991
 ITER =  41  ER =  5.253174  TIME =  2786.991
 ITER =  42  ER =  4.882874  TIME =  2786.991
Flow from storage = 13074.95    Flow into storage = 117648.4
Flow in from leakance = 1033688    Flow out via leakance 1292321
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 1412446    Total Flow OUT = 1409969
Percent of unaccounted water = -.1756599
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  421.925  TIME =  2847.45
 ITER =  2  ER =  306.4047  TIME =  2847.45
 ITER =  3  ER =  266.1718  TIME =  2847.45
 ITER =  4  ER =  235.1439  TIME =  2847.45
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 ITER =  6  ER =  197.0812  TIME =  2847.45
 ITER =  7  ER =  184.6445  TIME =  2847.45
 ITER =  8  ER =  166.5948  TIME =  2847.45
 ITER =  9  ER =  156.2158  TIME =  2847.45
 ITER =  10  ER =  140.928  TIME =  2847.45
 ITER =  11  ER =  132.1928  TIME =  2847.45
 ITER =  12  ER =  119.2232  TIME =  2847.45
 ITER =  13  ER =  111.9007  TIME =  2847.45
 ITER =  14  ER =  100.8817  TIME =  2847.45
 ITER =  15  ER =  94.76459  TIME =  2847.45
 ITER =  16  ER =  85.43475  TIME =  2847.45
 ITER =  17  ER =  80.32458  TIME =  2847.45
 ITER =  18  ER =  72.41412  TIME =  2847.45
 ITER =  19  ER =  68.14178  TIME =  2847.45
 ITER =  20  ER =  61.42871  TIME =  2847.45
 ITER =  21  ER =  57.8479  TIME =  2847.45
 ITER =  22  ER =  52.14655  TIME =  2847.45
 ITER =  23  ER =  49.15912  TIME =  2847.45
 ITER =  24  ER =  44.32935  TIME =  2847.45
 ITER =  25  ER =  41.80835  TIME =  2847.45
 ITER =  26  ER =  37.69446  TIME =  2847.45
 ITER =  27  ER =  35.5921  TIME =  2847.45
 ITER =  28  ER =  32.08203  TIME =  2847.45
 ITER =  29  ER =  30.30774  TIME =  2847.45
 ITER =  30  ER =  27.35168  TIME =  2847.45
 ITER =  31  ER =  25.85626  TIME =  2847.45
 ITER =  32  ER =  23.31219  TIME =  2847.45
 ITER =  33  ER =  22.0611  TIME =  2847.45
 ITER =  34  ER =  19.90442  TIME =  2847.45
 ITER =  35  ER =  18.8313  TIME =  2847.45
 ITER =  36  ER =  17.0072  TIME =  2847.45
 ITER =  37  ER =  16.10382  TIME =  2847.45
 ITER =  38  ER =  14.54138  TIME =  2847.45
 ITER =  39  ER =  13.7749  TIME =  2847.45
 ITER =  40  ER =  12.45496  TIME =  2847.45
 ITER =  41  ER =  11.80066  TIME =  2847.45
 ITER =  42  ER =  10.65808  TIME =  2847.45
 ITER =  43  ER =  10.1203  TIME =  2847.45
 ITER =  44  ER =  9.141052  TIME =  2847.45
 ITER =  45  ER =  8.678833  TIME =  2847.45
 ITER =  46  ER =  7.856812  TIME =  2847.45
 ITER =  47  ER =  7.458862  TIME =  2847.45
 ITER =  48  ER =  6.753052  TIME =  2847.45
 ITER =  49  ER =  6.423889  TIME =  2847.45
 ITER =  50  ER =  5.825134  TIME =  2847.45
 ITER =  51  ER =  5.535217  TIME =  2847.45
 ITER =  52  ER =  5.021057  TIME =  2847.45
 ITER =  53  ER =  4.768433  TIME =  2847.45
Flow from storage = 11736.77    Flow into storage = 107656.6
Flow in from leakance = 1026042    Flow out via leakance 1293416
Flow in from withdrawal = 365699.5    Flow out via withdrawal = 0
Flow from constant heads = 0    Flow to constant heads = 0

Total Flow IN = 1403463    Total Flow OUT = 1401067
Percent of unaccounted water = -.1710482
WB = 100*(1 - ABS(TOTIN/TOTOUT))


 ITER =  1  ER =  451.0283  TIME =  2920.001
 ITER =  2  ER =  306.595  TIME =  2920.001
 ITER =  3  ER =  241.1169  TIME =  2920.001
 ITER =  4  ER =  218.9341  TIME =  2920.001
 ITER =  5  ER =  195.5885  TIME =  2920.001
 ITER =  6  ER =  185.4148  TIME =  2920.001
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ITER = 10 ER = 142.545 TIME = 2920.001
ITER = 11 ER = 130.9247 TIME = 2920.001
ITER = 12 ER = 125.8341 TIME = 2920.001
ITER = 13 ER = 115.6006 TIME = 2920.001
ITER = 14 ER = 111.2379 TIME = 2920.001
ITER = 15 ER = 102.2035 TIME = 2920.001
ITER = 16 ER = 98.43164 TIME = 2920.001
ITER = 17 ER = 90.45032 TIME = 2920.001
ITER = 18 ER = 87.22998 TIME = 2920.001
ITER = 19 ER = 80.13501 TIME = 2920.001
ITER = 20 ER = 77.34326 TIME = 2920.001
ITER = 21 ER = 71.0752 TIME = 2920.001
ITER = 22 ER = 68.63562 TIME = 2920.001
ITER = 23 ER = 63.09412 TIME = 2920.001
ITER = 24 ER = 60.99756 TIME = 2920.001
ITER = 25 ER = 56.04199 TIME = 2920.001
ITER = 26 ER = 54.23865 TIME = 2920.001
ITER = 27 ER = 49.84631 TIME = 2920.001
ITER = 28 ER = 48.26477 TIME = 2920.001
ITER = 29 ER = 44.33643 TIME = 2920.001
ITER = 30 ER = 42.97302 TIME = 2920.001
ITER = 31 ER = 39.49207 TIME = 2920.001
ITER = 32 ER = 38.30969 TIME = 2920.001
ITER = 33 ER = 35.19946 TIME = 2920.001
ITER = 34 ER = 34.17053 TIME = 2920.001
ITER = 35 ER = 31.39941 TIME = 2920.001
ITER = 36 ER = 30.49683 TIME = 2920.001
ITER = 37 ER = 28.02979 TIME = 2920.001
ITER = 38 ER = 27.23047 TIME = 2920.001
ITER = 39 ER = 25.03735 TIME = 2920.001
ITER = 40 ER = 24.3396 TIME = 2920.001
ITER = 41 ER = 22.38196 TIME = 2920.001
ITER = 42 ER = 21.76001 TIME = 2920.001
ITER = 43 ER = 20.01331 TIME = 2920.001
ITER = 44 ER = 19.47778 TIME = 2920.001
ITER = 45 ER = 17.91309 TIME = 2920.001
ITER = 46 ER = 17.44971 TIME = 2920.001
ITER = 47 ER = 16.03906 TIME = 2920.001
ITER = 48 ER = 15.63965 TIME = 2920.001
ITER = 49 ER = 14.37622 TIME = 2920.001
ITER = 50 ER = 14.01782 TIME = 2920.001
ITER = 51 ER = 12.89807 TIME = 2920.001
ITER = 52 ER = 12.58459 TIME = 2920.001
ITER = 53 ER = 11.57507 TIME = 2920.001
ITER = 54 ER = 11.29163 TIME = 2920.001
ITER = 55 ER = 10.40625 TIME = 2920.001
ITER = 56 ER = 10.13647 TIME = 2920.001
ITER = 57 ER = 9.338989 TIME = 2920.001
ITER = 58 ER = 9.124146 TIME = 2920.001
ITER = 59 ER = 8.405151 TIME = 2920.001
ITER = 60 ER = 8.210571 TIME = 2920.001
ITER = 61 ER = 7.554443 TIME = 2920.001
ITER = 62 ER = 7.38562 TIME = 2920.001
ITER = 63 ER = 6.8125 TIME = 2920.001
ITER = 64 ER = 6.660522 TIME = 2920.001
ITER = 65 ER = 6.144409 TIME = 2920.001
ITER = 66 ER = 6.010376 TIME = 2920.001
ITER = 67 ER = 5.542847 TIME = 2920.001
ITER = 68 ER = 5.423584 TIME = 2920.001
ITER = 69 ER = 5.014404 TIME = 2920.001
ITER = 70 ER = 4.88855 TIME = 2920.001
Flow from storage = 10299.55 Flow into storage = 95591.78
Flow in from leakance = 1016994 Flow out via leakance 1294425
Flow in from withdrawal = 366600 Flow out via withdrawal = 0

Total Flow IN = 1392980 Total Flow OUT = 1390012
Percent of unaccounted water = -.2134693
WB = 100*(1 - ABS(TOTIN/TOTOUT))

This is a water balance for Wetland Area Number 1
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 1997.339 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 1997.339 GPD

This is a water balance for Wetland Area Number 2
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 683.1051 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 683.1051 GPD

This is a water balance for Wetland Area Number 3
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 249.6598 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 249.6598 GPD

This is a water balance for Wetland Area Number 4
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 536.5894 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 536.5894 GPD

This is a water balance for Wetland Area Number 5
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 387.8418 GPD
  Flow INTO aquifer from net Withdrawal terms is 2032.319 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 1644.477 GPD

This is a water balance for Wetland Area Number 6
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 58.75677 GPD
  Flow INTO aquifer from net Withdrawal terms is 639.3596 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 580.6028 GPD

This is a water balance for Wetland Area Number 7
  Flow INTO aquifer from Leakance terms is 0 GPD
  Flow OUT of aquifer from Leakance terms is 0 GPD
  Flow INTO aquifer from net Withdrawal terms is 371.7597 GPD
  Flow OUT of aquifer from net Withdrawal terms is 0 GPD
    Sum of Ins minus Outs (PLUS means in) = 371.7597 GPD

Flow INTO aquifer from net Withdrawal terms is 363.2997 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 363.2997 GPD

This is a water balance for Wetland Area Number 9
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 3211.337 GPD
Flow INTO aquifer from net Withdrawal terms is 7403.042 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 4191.706 GPD

This is a water balance for Wetland Area Number 10
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 0 GPD
Flow INTO aquifer from net Withdrawal terms is 5962.897 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 5962.897 GPD

This is a water balance for Lower third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 10520.02 GPD
Flow INTO aquifer from net Withdrawal terms is 987.3591 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -9532.66 GPD

This is a water balance for Middle third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 102.5391 GPD
Flow OUT of aquifer from Leakance terms is 14010.01 GPD
Flow INTO aquifer from net Withdrawal terms is 3167.647 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -10739.82 GPD

This is a water balance for Upper third of Meadowbrook Creek
Flow INTO aquifer from Leakance terms is 19.53125 GPD
Flow OUT of aquifer from Leakance terms is 3339.844 GPD
Flow INTO aquifer from net Withdrawal terms is 1214.399 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -2105.914 GPD

This is a water balance for Flambeau River DOWNSTREAM of mine area
Flow INTO aquifer from Leakance terms is 0 GPD
Flow OUT of aquifer from Leakance terms is 15827.44 GPD
Flow INTO aquifer from net Withdrawal terms is 1710.972 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -14116.47 GPD

This is a water balance for Flambeau River ADJACENT to mine area
Flow INTO aquifer from Leakance terms is 18280.55 GPD
Flow OUT of aquifer from Leakance terms is 70128.58 GPD
Flow INTO aquifer from net Withdrawal terms is 1030.926 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -50817.1 GPD

This is a water balance for Flambeau River UPSTREAM of mine area
Flow INTO aquifer from Leakance terms is 12197.27 GPD
Flow OUT of aquifer from Leakance terms is 995079.6 GPD

Sum of Ins minus Outs (PLUS means in) = -977903.8 GPD

This is a water balance for FIRST Column flow
Flow INTO aquifer from Leakance terms is 222172.8 GPD
Flow OUT of aquifer from Leakance terms is 48674.32 GPD
Flow INTO aquifer from net Withdrawal terms is 7022.827 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 180521.4 GPD

This is a water balance for LAST Column flow
Flow INTO aquifer from Leakance terms is 13222.66 GPD
Flow OUT of aquifer from Leakance terms is 20444.34 GPD
Flow INTO aquifer from net Withdrawal terms is 4014.122 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -3207.558 GPD

This is a water balance for FIRST Row flow
Flow INTO aquifer from Leakance terms is 750964.4 GPD
Flow OUT of aquifer from Leakance terms is 44487.3 GPD
Flow INTO aquifer from net Withdrawal terms is 3038.636 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = 709515.7 GPD

This is a water balance for LAST Row flow
Flow INTO aquifer from Leakance terms is 34.17969 GPD
Flow OUT of aquifer from Leakance terms is 18908.69 GPD
Flow INTO aquifer from net Withdrawal terms is 6465.11 GPD
Flow OUT of aquifer from net Withdrawal terms is 0 GPD
Sum of Ins minus Outs (PLUS means in) = -12409.4 GPD

CATEGORY PRINTOUT