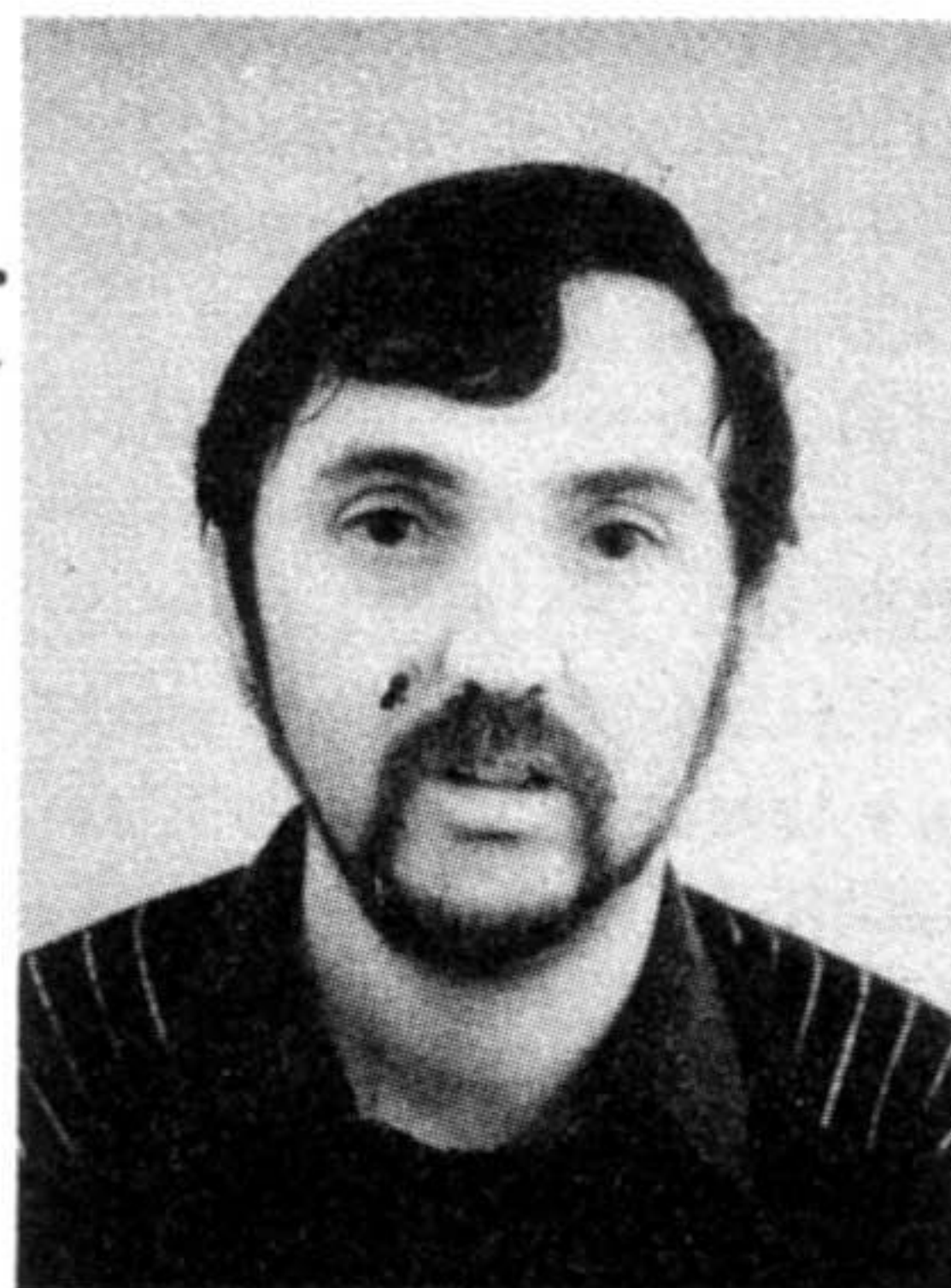


AMSTRAD

# AMSTROLOGIE

Langage : Basic



ANDRÉ GOUDONNET  
GAGNE  
UNE IMPRIMANTE  
EPSON LX80

## André Goudonnet

Trente-trois ans et trois enfants de neuf, six et trois ans. Passionné d'électronique, il travaille dans une usine d'enrichissement d'uranium et pratique la micro depuis deux ans. Aimait consacrer plus de temps à la micro. Il ne s'intéresse pas vraiment à l'astrologie mais a conçu ce programme à la demande insistante de nombreux de ses proches.

**S**tatistiquement, 98 des Français savent sous quel signe ils sont nés. Vous avez donc toutes les chances d'en faire partie. Mais connaissez-vous votre ascendant? Et qu'en est-il des trigones, oppositions, maisons et autres positions ésotériques du ciel au jour de votre naissance? Vous avez maintenant la possibilité de tout savoir grâce à Micro V.O. Le fonctionnement du programme est très simple : il suffit de suivre les instructions. ■

André GOUDONNET

```
120 BORDER 11:pre=0:SYMBOL AFTER 230:DIM pla  
nete$(12),signe$(12),longitude(12),maison(13  
) ,lor(15),lp(15),a(15),TABLE$(12),mois$(12),  
secteur(12)
```

```
130 SYMBOL 230,129,66,36,36,36,24,24,24  
140 SYMBOL 231,129,129,129,66,60,36,36,60  
150 SYMBOL 232,255,36,36,36,36,36,255  
160 SYMBOL 233,255,144,144,240,15,9,9,255  
170 SYMBOL 234,48,40,36,36,238,167,229,7  
180 SYMBOL 235,252,84,84,84,84,85,82,85  
190 SYMBOL 236,60,36,36,231,0,255,0,0  
200 SYMBOL 237,252,84,84,84,84,85,86,84  
210 SYMBOL 238,0,4,66,255,66,4,0,0  
220 SYMBOL 239,254,4,8,16,46,74,126,8  
230 SYMBOL 240,0,0,170,85,0,170,85,0  
240 SYMBOL 241,195,36,24,126,126,24,36,195  
250 SYMBOL 242,126,255,195,219,219,195,255,1  
26  
260 SYMBOL 243,240,56,28,28,28,28,56,240  
270 SYMBOL 244,189,102,102,102,60,24,126,24  
  
280 SYMBOL 245,60,102,102,102,60,24,126,24  
  
290 SYMBOL 246,15,7,13,120,204,204,204,120  
300 SYMBOL 247,248,24,48,96,204,216,254,24  
310 SYMBOL 248,240,96,126,127,99,99,102,12  
320 SYMBOL 249,24,255,90,90,90,90,255,24  
330 SYMBOL 250,90,126,24,60,102,102,102,60  
340 SYMBOL 251,189,165,165,126,60,24,24,24
```

```
350 SYMBOL 252,0,0,0,255,255,0,0,0  
360 SYMBOL 253,0,0,0,255,255,0,0,0
```

```
370 MODE 1:CLS:INK 0,1:INK 1,24:INK 2,20:INK  
3,6:PAPER 0:PEN 1:LONGITUDE(1)=INT(RND*360)  
+1:FOR n=2 TO 9:longitude(n)=longitude(n-1)+  
INT(RND*30)+5:NEXT n:longitude(11)=87.55:lon  
gitude(12)=331.23  
380 FOR yt=1 TO 100:x%=(RND*40)+1:y%=(RND*23  
) +1:LOCATE x%,Y%:PRINT".":NEXT yt:GOTO 2570  
:TAGOFF::WINDOW#0,23,40,9,17:PAPER 1:PEN 0:C  
LS:WINDOW#0,24,39,10,16:PAPER 0:PEN 2:CLS:LO  
CATE 4,2:PRINT"ASTROLOGIE"  
390 TAGOFF::WINDOW#0,23,40,9,17:PAPER 1:PEN  
0:CLS:WINDOW#0,24,39,10,16:PAPER 0:PEN 2:CLS  
:LOCATE 4,2:PRINT"ASTROLOGIE"  
400 LOCATE 8,4:PRINT"PAR":LOCATE 4,6:PRINT"A  
.GOUDONNET":RESTORE 1900:GOSUB 4520:GOSUB 44  
00:GOSUB 2170:pre=1:CLS:MODE 1:RAD:DEF FN ac  
os(x)=PI/2-(ATN(x/SQR(-x*x+1))):IP=1:RESTORE  
1940:GOSUB 2070:CLS  
410 MODE 1:RAD:DEF FN acos(x)=PI/2-(ATN(x/SQ  
R(-x*x+1))):IP=1:RESTORE 1940:GOSUB 2070:CLS  
420 GOSUB 4220  
430 WINDOW#0,1,80,1,25:CLS  
440 MODE 1  
450 CLS:LOCATE 11,10:PRINT STRING$(20,202):F  
OR N=1 TO 5:LOCATE 11,10+N:PRINT CHR$(202):L  
OCATE 30,10+N:PRINT CHR$(202):NEXT N:LOCATE  
11,16:PRINT STRING$(20,202)  
460 FOR N=1 TO 5:LOCATE 12,10+N:PRINT STRING  
$(18,143):NEXT N:LOCATE 13,13:PRINT CHR$(24)  
;"UN INSTANT S.V.P";CHR$(24)  
470 j=j+hs  
480 n=a*365+31*(m-1)+j
```



```

490 IF m>2 GOTO 510
500 a=a-1
510 n=n+INT(a/4)-INT(a/100)+INT(a/400)
520 IF m<=2 GOTO 540
530 n=n-INT((m-1)*0.4+2.7)
540 n=n-694325
550 i=INT((n/7-INT(n/7))*7+0.005):GOSUB 1510
560 REM
570 REM
580 REM-----CALCUL POSITION-----230
rem
590 REM soleil
600 ke=3:e=0.01675104:p=4.90847+8.185594E-07
  n:11=4.868857+1.72027914E-02:n:m=11-p:ms=m
610 GOSUB 1560
620 v=2*ATN(TAN(u/2)*SQR((1+0.01675104)/(1-0.01675104)))
630 r=1.00000023*(1-0.01675104*COS(u)):l=v+p:l=l
640 xs=r*COS(l):ys=r*SIN(l)
650 GOSUB 1610:longitude(1)=ld
660 REM
670 REM-----LUNE-----
680 REM
690 l=0.57999+0.229971503*n:o=4.1867-0.00092422*n
700 m=0.3193+0.228027135*n:d=1-11:f=1-o
710 l=1+0.1098*SIN(m)+0.003728*SIN(2*m)+0.01149*SIN(2*d)
720 l=1-0.003329*SIN(ms)+0.02224*SIN(2*d-m)-0.001945*SIN(2*f)
730 l=1+0.001026*SIN(2*d-2*m)+0.0009983*SIN(2*d-m-ms)
740 l=1+0.0009903*SIN(2*d+m)+0.0008011*SIN(2*d-ms)
750 l=1+0.0007156*SIN(m-ms)-0.0005323*SIN(m+ms)-0.0006074*SIN(d)
760 GOSUB 1610:longitude(2)=ld
770 tot=1:pas=3
780 IF tot>8 THEN GOTO 1010
790 ON tot GOTO 800,810,820,830,840,850,860,870
800 j=0:ke=5:do=6.7:mo=-0.21:ao=3.8:bo=-3.4:co=2:GOTO 880
810 j=1:ke=3:do=16.7:mo=-4.1:ao=0.1:bo=2.4:co=-0.65:GOTO 880
820 j=2:ke=5:do=9.4:mo=-1.36:ao=1.5:GOTO 880
830 j=3:ke=4:fg=1:do=196.9:mo=-9:ao=1.48:GOTO 880
840 j=4:ke=4:fg=2:do=165.5:mo=-8.7:ao=1.7:GOTO 880
850 j=5:ke=4:do=71.4:mo=-7:GOTO 880
860 j=6:ke=3:do=68.3:mo=-7:GOTO 880
870 j=7:ke=7:do=8.3:mo=-1.5
880 p=po(j)+pp(j):n=m+lor(j)+lp(j):n-p
890 e=e(j):GOSUB 1560
900 v=2*ATN(TAN(u/2)*SQR((1+e)/(1-e)))
910 o=oo(j)+op(j):n=c+v+p-o
920 IF COS(c)=0 THEN d=c:GOTO 950
930 d=ATN(TAN(c)*COS(i(j)))
940 IF COS(c)<0 THEN d=d+PI
950 lh=d+o:bs=ATN(SIN(d)*TAN(i(j)))
960 rs=a(j)*(1-e*COS(u)):xp=rs*COS(bs)*COS(lh)+xs:yp=rs*COS(bs)*SIN(lh)+ys:zp=rs*SIN(bs)
970 r=SQR(xp*xp+yp*yp):b=ATN(zp/r):l=ATN(yp/xp)
980 IF xp<0 THEN l=l+PI
990 GOSUB 1610:longitude(pas)=ld

```

```

1000 tot=tot+1:pas=pas+1:GOTO 780
1010 oe=0.4091:house1=ts+PI/2:F=1:GOSUB 1660
1020 longitude(11)=house:maison(1)=house:maison(13)=house:maison(7)=house+180:IF maison(7)>360 THEN maison(7)=maison(7)-360
1030 house1=ts+2.09439:f=1.5:GOSUB 1660:maison(2)=house
1040 house1=ts+2.61799:f=3:GOSUB 1660:maison(3)=house
1050 maison(8)=maison(2)+180:IF maison(8)>360 THEN maison(8)=maison(8)-360
1060 maison(9)=maison(3)+180:IF maison(9)>360 THEN maison(9)=maison(9)-360
1070 GOSUB 1750:maison(10)=MC:IF maison(10)>360 THEN maison(10)=maison(10)-360
1080 maison(4)=maison(10)+180:longitude(12)=maison(10):IF maison(4)>360 THEN maison(4)=maison(4)-360
1090 house1=ts+0.52359:GOSUB 1810:maison(11)=house:house1=ts+1.04719:f=1.5:GOSUB 1810:maison(12)=house
1100 maison(5)=maison(11)+180:IF maison(5)>360 THEN maison(5)=maison(5)-360
1110 maison(6)=maison(12)+180:IF maison(6)>360 THEN maison(6)=maison(6)-360
1120 GOSUB 2490
1130 REM-----AFFICHAGE THEME-----
1140 MODE 2:WINDOW#0,1,80,1,25:PAPER 1:PEN 0:CLS:LOCATE 20,1:PRINT jour$(i);jour;mois$(mois);annee;"A";" ";he;"h";mi;"m";" ";T.U":LOCATE 28,25:PRINT"(C)ONTINUER-(M)ENU":y1p=3:x1p=4:WINDOW#0,2,79,2,24:PAPER 0:PEN 1:CLS
1150 IF rep=2 THEN GOTO 1300
1160 FOR boucle=1 TO 12
1170 longitude=longitude(boucle)
1180 IF longitude<30 THEN sig=0:GOTO 1210
1190 sig=INT(longitude(boucle)/30):IF boucle=1 AND longitude(boucle)>30 THEN caractere=sig+1
1200 longitude=longitude(boucle)-(sig*30):IF boucle=2 AND longitude(boucle)>30 THEN caractere2=sig+1
1210 minutes=longitude-INT(longitude):minutes=(minutes*60)/100
1220 IF boucle=1 AND longitude(boucle)<30 THEN caractere=1
1230 IF boucle=2 AND longitude(boucle)<30 THEN caractere2=1
1240 longitude=INT(longitude)+minutes
1250 LOCATE x1p,y1p:PRINT CHR$(241+boucle);";planete$(boucle)
1260 LOCATE x1p+12,y1p:PRINT USING"###.##";longitude:LOCATE x1p+19,y1p:PRINT signe$(sig+1)
1270 y1p=y1p+2:IF y1p=15 THEN y1p=3:x1p=44
1280 NEXT boucle
1290 GOSUB 1370:GOSUB 2170
1300 y2=4:x2=2:lims=10:limi=0:CLS:PRINT CHR$(22)+CHR$(1);:FOR y=3 TO 23 STEP 3:LOCATE 1,y:PRINT STRING$(78,154):NEXT y
1310 FOR y=3 TO 23 STEP 3:LOCATE 1,y:PRINT STRING$(78,154):NEXT y
1320 FOR x=15 TO 76 STEP 15
1330 FOR y=1 TO 23
1340 LOCATE x,y:PRINT CHR$(149):NEXT y,x:PRINT CHR$(22)+CHR$(0);:LOCATE 3,2:PRINT"CONJUNCTION":LOCATE 18,2:PRINT"OPPOSITION":LOCATE 34,2:PRINT"TRIGONE":LOCATE 50,2:PRINT"CARRE"

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:LOCATE 64,2:PRINT"SEXILE"
1350 Z=1:FOR Y=4 TO 22 STEP 3:LOCATE 76,Y:PRINT Z:Z=Z+1:NEXT y:GOSUB 2240:x2=17:y2=4:ecart=9:angle=180:GOSUB 2220:x2=32:y2=4:ecart=8:angle=120:GOSUB 2220:x2=47:y2=4:ecart=6:angle=90:GOSUB 2220:x2=62:y2=4:ecart=4:angle=60:GOSUB 2220:GOSUB 2170
1360 GOSUB 2360
1370 REM-----CALCUL PLANETE DOMINANTE-----
1380 IF caractere=1 THEN pld=5
1390 IF caractere=2 THEN pld=4
1400 IF caractere=3 THEN pld=3
1410 IF caractere=4 THEN pld=2
1420 IF caractere=5 THEN pld=1
1430 IF caractere=6 THEN pld=3
1440 IF caractere=7 THEN pld=4
1450 IF caractere=8 THEN pld=10
1460 IF caractere=9 THEN pld=6
1470 IF caractere=10 THEN pld=7
1480 IF caractere=11 THEN pld=8
1490 IF caractere=12 THEN pld=9
1500 RETURN
1510 REM CALCUL DU TEMPS SIDERAL-----
1520 rd=1.7273+1.72027914E-02*n+hs*2*PI-lo*PI/180
1530 rd=(rd/2/PI-INT(rd/2/PI))*2*PI
1540 ts=rd:tsh=ts/(PI*2/24):tsm=INT((tsh-INT(tsh))*60)
1550 RETURN
1560 REM-----EQUATION DE KEPLER-----
1570 u=m
1580 FOR k=0 TO ke
1590 u=m+e*SIN(u):NEXT k
1600 RETURN
1610 ld=1*180/PI
1620 ld=(ld/360-INT(ld/360))*360
1630 IF ld<0 THEN ld=ld+360
1640 ld=INT(ld*10+0.5)/10
1650 RETURN
1660 REM-----calcul asc+maison 2&3-----
1670 FOR boucle=1 TO 7
1680 x=(SIN(house1)*TAN(oe)*TAN(la))
1690 house=ts+PI-(FN acos(x)/f)
1700 house1=house
1710 NEXT boucle
1720 house=house*180/PI
1730 IF house>360 THEN house=house-360
1740 RETURN
1750 REM-----calcul milieu du ciel-----
1760 MC=ATN(TAN(ts)/COS(oe))
1770 MC=MC*180/PI
1780 IF ts>PI/2 AND ts<3*PI/2 THEN mc=mc+180
1790 IF ts>3*PI/2 THEN mc=mc+360
1800 RETURN
1810 REM-----calcul maison 11-----
1820 FOR n=1 TO 7
1830 x=(-SIN(house1)*TAN(oe)*TAN(la))
1840 house=ts+(FN acos(x)/f)
1850 house1=house
1860 NEXT n
1870 house=house*180/PI

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1880 IF house>360 THEN house=house-360
1890 RETURN
1900 DATA 379,25,5,284,25,5,319,25,5,284,25,
5,253,25,5,239,25,5,253,25,5,239,25,5,213,25
,5,190,100,5,190,50,5,159,50,5,190,100,5,190
,50,5
1910 DATA 142,25,5,159,25,5,190,100,5,190,25
,5,190,25,5,213,25,5,239,25,5,284,100,5,284,
50,5,239,50,5,284,100,5,284,50,5,379,25,5,28
4,100,5,284,50,5
1920 DATA 190,25,5,142,50,5,150,25,5,142,25,
5,150,25,5,142,25,5,159,25,5,142,100,5,142,5
0,5,119,25,5,142,25,5,159,100,5,159,50,5,142
,25,5,159,25,5,190,100,5,190,50,5,190,25,5,1
42,50,5
1930 DATA 150,25,5,142,25,5,150,25,5,142,25,
5,159,25,5,142,100,5,142,50,5,119,25,5,142,2
5,5,159,100,5,159,50,5,142,25,5,159,25,5,190
,100,5,190,25,5,190,25,5,213,25,5,239,25,5,2
84,100,5,284,50,5,239,50,5,284,100,5,284,50,
5,379,25,5
1940 DATA 4.0117,7.14254534e-2,1.3249,7.4229
e-7,.82304,5.6618e-7,.205615,.1222,.3870981
1950 DATA 3.6086,2.79631195e-2,2.2716,6.5572
e-7,1.3229,4.3668e-7,.006816,.05923,.72333
1960 DATA 2.1776,9.14676584e-3,5.8338,8.793e
-7,.8516,3.712e-7,.093309,3.2294e-2,1.523678
1970 DATA 4.6879,1.4509868e-3,.2289,857e-9,1
.7358,483e-9,.048376,.02284,5.202799
1980 DATA 4.8567,5.8484028e-4,1.5974,412e-9,
1.9686,417e-9,.054311,435e-4,9.552098
1990 DATA 4.3224,205424e-9,2.9523,762e-9,1.2
825,2.3824e-7,.047319,1.3482e-2,19.21694
2000 DATA 1.5223,105061e-9,.7637,393e-9,2.28
1,525e-9,.008262,3.1054e-2,30.112912
2010 DATA 1.6406,701214e-10,3.8978,6.672e-7,
1.9034,6.672e-7,.250236,.29968,39.438712
2020 DATA 2.694,3.5515529,5.9059,5.771,1.769
32338,9.3969,2.597,.87820859,14.989,3.091,.3
7648689,26.3641
2030 DATA .434,3.32830711,4.877,4.472,2.2957
1836,6.2464,6.081,1.39085442,8.723,3.857,.39
404325,20.213
2040 DATA LUNDI,MARDI,MERCREDI,JEUDI,VENDRED
I,SAMEDI,DIMANCHE
2050 DATA BELIER,TAUREAU,GEMEAUX,CANCER,LION
,VIERGE,BALANCE,SCORPION,SAGITTAIRE,CAPRICOR
NE,VERSEAU,POISSONS
2060 DATA SOLEIL,LUNE,MERCURE,VENUS,MARS,JUP
ITER,SATURNE,URANUS,NEPTUNE,PLUTON,ASCENDANT
,M.DU CIEL,I,II,III,IV,V,VI,VII,VIII,IX,X,XI
,XII,JANVIER,FEVRIER,MARS,AVRIL,MAI,JUIN,JUI
LLET,AOUT,SEPTEMBRE,OCTOBRE,NOVEMBRE,DECEMBR
E
2070 FOR j=0 TO 7
2080 READ lor(j),lp(j),po(j),pp(j),oo(j),op(
j),e(j),i(j),a(j)
2090 NEXT j
2100 FOR i=8 TO 15:READ lor(i),lp(i),a(i):NE
XT i
2110 FOR x=0 TO 6:READ a$:jour$(x)=a$:NEXT x
2120 FOR x=1 TO 12:READ a$:signe$(x)=a$:NEXT
x
2130 FOR x=1 TO 12:READ a$:planete$(x)=a$:NE
XT x:FOR x=1 TO 12:READ A$:TABLE$(X)=A$:NEXT
X:FOR X=1 TO 12:READ A$:MOIS$(X)=A$:NEXT X
2140 RETURN
2150 LOCATE 34,25:PRINT CHR$(24);" ";(C)ONT
INUER-(M)ENU ";CHR$(24):GOTO 2170

2160 LOCATE 34,19:PRINT CHR$(24);" ";(C)ONT
INUER-(M)ENU ";CHR$(24)
2170 a$=INKEY$:IF a$="" THEN 2170
2180 IF a$=CHR$(67) OR a$=CHR$(99) THEN RETU
RN
2190 IF pre=0 THEN GOTO 2170
2200 IF A$=CHR$(77) OR A$=CHR$(109) THEN GOT
O 4370
2210 GOTO 2170
2220 y2=4:lims=angle+ecart
2230 limi=ABS(angle-ecart)
2240 FOR t1=1 TO 9
2250 FOR t2=t1+1 TO 10
2260 res=ABS(longitude(t1)-longitude(t2))
2270 IF res>lims THEN res=360-res
2280 IF res>lims OR res<limi THEN 2310
2290 LOCATE x2,y2:PRINT planete$(t1):LOCATE
x2,y2+1:PRINT planete$(t2)
2300 y2=y2+3
2310 NEXT t2,t1
2320 RETURN
2330 REM-----trace cercle methode hedi kodja
-----
2340 ORIGIN xc,yc:d=2/r:x=r:y=0:im=1+PI*r/8:
FOR xt=0 TO im:PLLOT x,y,1:PLLOT -x,y,1:PLLOT x
,-y,1:PLLOT -x,-y,1:PLLOT y,x,1:PLLOT -y,x,1:PL
LOT y,-x,1:PLLOT -y,-x,1:x=x-d*y:y=y+d*x:NEXT
xt
2350 RETURN
2360 REM -aaffichage maisons-----
-----
2370 GOSUB 4090:X=8:Y=2:FOR boucle=1 TO 12
2380 position=maison(boucle)
2390 IF position<30 THEN sig=0:GOTO 2420
2400 sig=INT(maison(boucle)/30)
2410 position=maison(boucle)-(sig*30)
2420 minutes=position-INT(position)
2430 minutes=(minutes*60)/100
2440 position=INT(position)+minutes
2450 LOCATE X,5+Y:PRINT"MAISON ";TABLE$(BOU
CLE):LOCATE X+13,5+Y:PRINT"USIN6"###"###";posi
tion:LOCATE X+20,5+Y:PRINT"SIGNE$(SIG+1)"
2460 Y=Y+2
2470 IF Y=14 THEN Y=2:X=44
2480 NEXT boucle:GOTO 2550
2490 FOR zx1=1 TO 10
2500 FOR zx2=1 TO 12
2510 IF longitude(zx1)>=maison(zx2) AND long
itude(zx1)<maison(zx2+1) THEN secteur(zx1)=z
x2
2520 IF longitude(zx1)>=maison(zx2) AND mais
on(zx2+1)+360<390 THEN secteur(zx1)=zx2
2530 NEXT zx2,zx1
2540 RETURN
2550 GOSUB 2160
2560 MODE 1:WINDOW#0,1,40,1,25:PAPER 1:PEN
0:CLS:LOCATE 2,1:PRINT jour$(i):jour:mois:an
nee;"A";" ";he;"h";mi;"mn";" ";T.U":LOCATE
5,25:PRINT"(C)ONTINUER-(M)ENU":WINDOW#0,2,39
,2,24:PAPER 0:PEN 1:CLS:xc=180:yc=200:r=100
2570 xc=180:yc=200:r=100:GOSUB 2330
2580 r=70:GOSUB 2330
2590 DEG
2600 FOR a=180 TO 540 STEP 30
2610 PLOT 100*COS(a),100*SIN(a),1
2620 DRAW 70*COS(a),70*SIN(a),1
2630 NEXT a

2640 TAG:y4=0:ORIGIN 175,207
2650 FOR cer=195 TO 525 STEP 30
2660 PLOT 85*COS(cer),85*SIN(cer),3
2670 PRINT CHR$(230+y4);:y4=y4+1
2680 NEXT cer
2690 REM
2700 y5=1:ORIGIN 178,200
2710 FOR cer=1 TO 5
2720 long=longitude(cer)+180
2730 long2=longitude(cer+5)+180
2740 PLOT 100*COS(long),100*SIN(long),1
2750 DRAW 130*COS(long),130*SIN(long),1
2760 PRINT CHR$(241+y5);
2770 PLOT 100*COS(long2),100*SIN(long2),1
2780 DRAW 150*COS(long2),150*SIN(long2),1
2790 PRINT CHR$(241+y5+5);:y5=y5+1
2800 NEXT cer
2810 long3=longitude(11)+180:long4=longitude
(12)+180
2820 PLOT 100*COS(long3),100*SIN(long3),1
2830 DRAW 170*COS(long3),170*SIN(long3),1
2840 PRINT "AS";
2850 PLOT 100*COS(long3+180),100*SIN(long3+1
80),1
2860 DRAW 170*COS(long3+180),170*SIN(long3+1
80),1
2870 PRINT"DS";
2880 PLOT 100*COS(long4),100*SIN(long4),1
2890 DRAW 170*COS(long4),170*SIN(long4),1
2900 PRINT"MC";
2910 PLOT 100*COS(long4+180),100*SIN(long4+1
80),1
2920 DRAW 170*COS(long4+180),170*SIN(long4+1
80),1
2930 PRINT"FC";IF pre=0 THEN GOTO 390
2940 TAGOFF:y5=3
2950 FOR xt=1 TO 10
2960 LOCATE 25,y5:PRINT CHR$(241+xt);" ";pla
nete$(xt)
2970 y5=y5+2
2980 NEXT xt
2990 GOSUB 2170
3000 MODE 2:WINDOW#0,1,80,1,25:PAPER 1:PEN 0
:CLS:WINDOW#0,2,79,2,5:PAPER 0:PEN 1:CLS:LOC
ATE 14,2:PRINT"CARACTERISTIQUES PRINCIPALES
DE VOTRE CIEL DE NAISSANCE"
3010 WINDOW#0,1,80,5,25:PAPER 1:PEN 0:CLS:LO
CATE 28,25:PRINT"(C)ONTINUER-(M)ENU":WINDOW#
0,2,79,6,24:PAPER 0:PEN 1:CLS
3020 LOCATE 32,2:PRINT"SIGNE:";SIGNE$(caract
ere):yf=4:xf=10:FOR n=1 TO 10:LOCATE xf,yf:P
RINT planete$(n);" en";" MAISON ";TABLE$(sec
teur(n)):yf=yf+2
3030 IF yf=14 THEN yf=4:xf=45
3040 NEXT n
3050 REM
3060 LOCATE 10,16:PRINT planete$(pld);" EST
LA PLANETE DOMINANTE DE VOTRE SIGNE":GOSUB 2
170
3080 CLS:WINDOW#0,1,80,6,20:PAPER 1:PEN 0:CL
S:WINDOW#0,2,79,7,19:PAPER 0:PEN 1:CLS
3090 LOCATE 15,4:PRINT"POUR PARFAIRE L'ETUDE
DE VOTRE THEME":LOCATE 15,6:PRINT"CONSULTEZ
LES OUVRAGES DE REFERENCES SUR LE SUJET"
3100 LOCATE 25,13:PRINT"(M)ENU":LOCATE 25,10
:PRINT"UN AUTRE THEME O/N"
3110 A$=INKEY$:IF A$="" THEN 3110
3120 IF A$=CHR$(77) OR A$=CHR$(109) THEN GOT
O 4370

```



```

3130 IF A$=CHR$(79) OR A$=CHR$(111) THEN GOT
D 410
3140 IF A$=CHR$(78) OR A$=CHR$(110) THEN MOD
E 0:LOCATE 6,12:PRINT"AU REVOIR !":LOCATE 1,
24:END
3150 GOTO 3110
4090 REM-----DESSIN TABLEAU-----
-----
4100 MODE 2
4110 LOCATE 1,25:PRINT STRING$(80,206)
4120 LOCATE 1,1:PRINT STRING$(28,206):LOCATE
50,1:PRINT STRING$(30,206)
4130 LOCATE 28,4:PRINT STRING$(23,206):LOCAT
E 1,20:PRINT STRING$(79,206)
4140 FOR n=1 TO 2:LOCATE 28,1+n:PRINT CHR$(2
06):LOCATE 50,1+n:PRINT CHR$(206):NEXT n
4150 FOR n=1 TO 4:LOCATE 19,20+n:PRINT CHR$(
206):LOCATE 64,20+n:PRINT CHR$(206):NEXT n
4160 FOR n=1 TO 24:LOCATE 1,n:PRINT CHR$(206
):LOCATE 80,n:PRINT CHR$(206):NEXT n
4170 FOR n=1 TO 3:LOCATE 29,n:PRINT STRING$(
21,143):NEXT n
4180 FOR n=1 TO 3:LOCATE 2,20+n:PRINT STRING
$(17,143):LOCATE 20,20+n:PRINT STRING$(44,14
3):LOCATE 65,20+n:PRINT STRING$(15,143):NEXT
n
4190 LOCATE 31,2:PRINT CHR$(24);"TABLE DES M
AISONS":LOCATE 3,22:PRINT"TEMPS UNIVERSEL":L
OCATE 28,22:PRINT jour$(i);jour;MOIS$(mois);
annee:LOCATE 66,22:PRINT"TEMPS SIDERAL"
4200 LOCATE 4,23:PRINT he;"h";mi;"mn":LOCATE
66,23:PRINT INT(tsh);"h";tsm;"mn";CHR$(24)

4210 RETURN
4220 MODE 2:INK 0,1:INK 1,26:BORDER 11:PAPER
0
4230 WINDOW#0,30,80,1,25:PAPER 1:PEN 0:CLS

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4240 WINDOW#0,31,79,2,24:PAPER 0:PEN 1:CLS
4250 LOCATE 2,2:PRINT"LES COORDONNEES DU LIE
U DE NAISSANCE":PRINT" SONT EN DEGRES DECIMA
UX"
4260 PRINT" LA LONGITUDE DU LIEU EST NEGATIV
E A L'EST":PRINT" DE GREENWITCH":PRINT" EX P
OUR PARIS":PRINT" LATITUDE: 48.50":PRINT" L
ONGITUDE: -2.20"
4270 PRINT:PRINT" LE JOUR,LE MOIS ET L'ANNEE
DOIVENT ETRE":PRINT" SEPARES PAR DES VIRGUL
ES ...ex (24,01,1953)
4280 PRINT:PRINT" L'HEURE DEMANDEE EST L'HEU
RE DE NAISSANCE":PRINT" CONVERTIE EN TEMPS U
NIVERSEL":PRINT:PRINT" ENTREZ OBLIGATOIREMEN
T LES MINUTES MEME SI"
4290 PRINT" ELLES SONT EGALES A ZERO":PRINT:
PRINT" EX 12,00"
4300 WINDOW#0,1,30,1,6:PAPER 1:PEN 0:CLS:WIN
DOW#0,2,29,2,5:PAPER 0:PEN 1:CLS:LOCATE 5,2:
PRINT"COORDONNEES DU LIEU":PRINT:PRINT"
DE NAISSANCE"
4310 WINDOW#0,1,30,6,25:PAPER 1:PEN 0:CLS:WI
NDOW#0,2,29,7,24:PAPER 0:PEN 1:CLS
4320 PRINT:INPUT" LATITUDE :";la:latitude=l
a:la=la*PI/180
4330 PRINT:INPUT" LONGITUDE :";lo
4340 PRINT:INPUT" DATE :";j,m,a:annee=a
:mois=m:jour=j
4350 PRINT:INPUT" HEURE TU :";he,mi:hs=(he+
mi/60)/24
4360 RETURN
4370 MODE 2:WINDOW#0,25,58,4,20:PAPER 1:PEN
0:CLS:LOCATE 13,1:PRINT"*-MENU-*":WINDOW#0,2
6,57,5,19:PAPER 0:PEN 1:CLS:LOCATE 3,2:PRINT
"1.POSITION PLANETE":LOCATE 3,4:PRINT"2.ASPE
CTS":LOCATE 3,6:PRINT"3.TABLE MAISONS":LOCAT
E 3,8:PRINT"4.GRAPHIQUE"

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4380 LOCATE 3,10:PRINT"5.CARACTERISTIQUES DU
CIEL":LOCATE 5,12:PRINT"DE VOTRE NAISSANCE"
:LOCATE 3,14:PRINT"VOTRE CHOIX:";
4390 INPUT rep:MODE 2:ON rep GOTO 1130,1130,
2360,2560,3000
4400 MODE 2:WINDOW#0,1,80,6,20:PAPER 1:PEN 0
:CLS:LOCATE 25,20:PRINT"(C)ONTINUER":WINDOW#
0,2,79,7,19:PAPER 0:PEN 1:CLS
4410 LOCATE 15,2:PRINT"CE PROGRAMME CALCULE
TOUS LES ELEMENTS NECESSAIRES A"
4420 LOCATE 15,4:PRINT"L'ETABLISSEMENT DE VO
TRE THEME ASTRAL"
4430 LOCATE 15,6:PRINT"LES RESULTATS SONT DO
NNES EN DEGRES ET MINUTES "
4440 LOCATE 15,8:PRINT"SEXAGESIMALES."
4450 GOSUB 2170:CLS:LOCATE 15,2:PRINT"POUR F
ACILITER L'UTILISATION DE CE PROGRAMME"
4460 LOCATE 15,4:PRINT"LA TOUCHE (M)ENU VOUS
PERMET DE REVENIR SUR N'IMPORTE QUEL"
4470 LOCATE 15,6:PRINT"ELEMENT DE VOTRE THEM
E"
4480 LOCATE 15,8:PRINT"LA PRECISION DE LA TA
BLE DES MAISONS EST DE + OU - 1.5 DEGRE"
4490 LOCATE 15,10:PRINT"LE TEMPS SIDERAL EST
AFFICHE EN BAS DE TABLE POUR CEUX"
4500 LOCATE 15,12:PRINT"QUI VOUDRAIENT AMELI
ORER CELLE-CI"
4510 RETURN
4520 REM-----MUSIQUE-----
-----
4530 READ a,b,c
4540 IF c=1 THEN RETURN
4550 SOUND 6,a,b,c
4560 GOTO 4530

```