

Line # Statement(s) Comments

```

1 .
2 .
3 ;RETURN
4 .
5 .BIORHYTHMS
6 .M.R ANGLIS
7 .1979
10 CLEAR;PRINT ;PRINT;FC=7;NT
    =0
20 GOSUB 1080;PRINT " ENTER
    BIRTHDATE";FC=1;NT=2
30 INPUT " MONTH"M
40 INPUT " DAY"D
50 INPUT " YEAR 19??"Y
60 CLEAR;PRINT " BIORHYTHM
    FOR THE"
70 INPUT " YEAR 19??"C;CLEAR
    ;PRINT ;PRINT ;PRINT
80 PRINT " STAND BY FOR YOUR
    FACTORS TO BE COM
    PUTED";A=(C-Y)-1
90 GOTO 380
100 A=A*365
110 GOSUB M*10+250
120 A=A+K+L
130 X=A+3;Y=X;Z=X
140 E=X/23
150 X=RM
160 PRINT
170 PRINT " PHYSICAL ",X
180 F=Y/28
190 Y=RM
200 PRINT " EMOTIONAL ",Y
210 G=Z/33
220 Z=RM
230 PRINT " MENTAL ",Z
240 GOTO 400
    
```

~~Errors~~

Calculated Leap Years
but wrong

Why

USE OF SHADED AREA IS FOR 2ND OR MORE LINES OF MULTI-LINE STATEMENTS

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Line #

Statement(s)

Comments

260 K=365-D;RETURN

270 K=334-D;RETURN

280 K=306-D;RETURN

290 K=275-D;RETURN

300 K=245-D;RETURN

310 K=214-D;RETURN

320 K=184-D;RETURN

330 K=153-D;RETURN

340 K=122-D;RETURN

350 K=92-D;RETURN

360 K=61-D;RETURN

370 K=31-D;RETURN

380 L=A/4

390 GOTO 100

400 CLEAR;PRINT;PRINT

410 PRINT " FOR WHAT DATE

420 PRINT " DO YOU WISH A

430 PRINT " BIORHYTHM?

440 PRINT

450 INPUT " MONTH" M

460 INPUT " DAY" D

470 GOSUB M*10+490

480 GOTO 620

490

500 W=0;RETURN

510 W=31;RETURN

520 W=59;RETURN

530 W=90;RETURN

540 W=120;RETURN

550 W=151;RETURN

560 W=181;RETURN

570 W=212;RETURN

580 W=243;RETURN

590 W=273;RETURN

600 W=304;RETURN

610 W=334;RETURN

620 U=W+D

630 R=U+X;S=U+Z;E=U+Y

Must calculate
~~heap years~~
 Must be
 included

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Line #	Statement(s)	Comments
640	IF R<23 GOTO 670	
650	R=R-23	
660	GOTO 640	
670	IF S<28 GOTO 700	
680	S=S-28	
690	GOTO 670	
700	IF E<33 GOTO 730	
710	E=E-33	
720	GOTO 700	
730	CLEAR ; PRINT ; FC=65 ; NT=0	
740	PRINT " EMOT	
750	PRINT ; PRINT ; PRINT	
760	PRINT " PHYS	
770	PRINT ; PRINT	
780	PRINT " MENT	
790	BOX 0,0,1,86,3	
800	J=27 ; G=0-S ; F=28-S ; Q=2.8	
810	H=Q/4 ; I=0 ; P=0 ; BOX 15,J,125 1,3	
820	FOR T=G TO F STEP 1	
830	IF I<H GOTO 850	
840	IF I<(H*3) GOTO 950	
850	P=P+1	
860	BOX T*2, P*2+J, 1, 1, 3	
870	I=I+1	
880	NEXT T	
890	IF J=0 GOTO 930	
900	IF J=-26 GOTO 970	
910	J=0 ; G=0-R ; F=21-R ; Q=21	
920	GOTO 810	
930	J=-26 ; G=0-E ; F=33-E ; Q=33	
940	GOTO 810	
950	P=P-1	
960	GOTO 860	
970	FOR T=1 TO 9999 ; NEXT T	
980	FC=0 ; CLEAR	

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PROGRAM NAME

Line #	Statement(s)	Comments
990	PRINT " TODAY YOU ARE", A+U	
1000	PRINT " DAYS OLD"	
1010	PRINT " DO YOU WISH ANOTH ER BIORHYTHM FOR THE YEAR OF", C+1900	
1020	INPUT " 1=YES 0=NO" T	
1030	IF T=1 GOTO 400	
1040	CLEAR; PRINT ; PRINT	
1050	PRINT " DOES SOMEONE ELSE WANT A BIORHYTHM, OR A DIFFERENT YEAR?"	
1060	INPUT " 1=YES 2=STOP" T	
1070	IF T=1 GOTO 10	
1075	IF T=2 STOP	
1080	PRINT " O	
1090	PRINT " I R	
1100	PRINT " B H	
1110	PRINT " Y S	
1120	PRINT " T M	
1130	PRINT " H	
1140	RETURN	

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