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10  MODE 1 : INK 0, 1 : INK 1, 26 : INK 2, 9 : INK 3, 24
20  DIM CARDX( 18 ), CARDY( 18 ), FLIPPED( 18 ), NUMBERS( 1
    8 )
30  FOR I = 1 TO 9
40  J = INT( RND( 1 ) * 18 ) + 1 : IF NUMBERS( J ) <> 0 THE
    N 40 ELSE NUMBERS( J ) = I
50  K = INT( RND( 1 ) * 18 ) + 1 : IF NUMBERS( K ) <> 0 THE
    N 50 ELSE NUMBERS( K ) = I
60  NEXT
70  FOR I = 1 TO 18 : FLIPPED( I ) = 0 : NEXT
80  FOR I = 1 TO 6 : CARDX( I ) = I * 6 - 5 : CARDY( I ) =
    1 : NEXT
90  FOR I = 7 TO 12 : CARDX( I ) = ( I - 6 ) * 6 - 5 : CARD
    Y( I ) = 7 : NEXT
100  FOR I = 13 TO 18 : CARDX( I ) = ( I - 12 ) * 6 - 5 : CA
    RDY( I ) = 13 : NEXT
110  CARD$ = STRING$( 5, 143 ) : BACK$ = STRING$( 5, 206 )
120  PAPER 0 : CLS : BORDER 1
130  PEN 1 : PRINT TAB( 13 ); "CONCENTRATION"
140  LOCATE 1, 10 : INPUT "Name▲for▲player▲one"; X$ : IF X$
    = "" THEN X$ = "NUTCASE"
150  IF LEN( X$ ) > 23 THEN 140
160  PLAYER$( 1 ) = X$
170  LOCATE 1, 13 : INPUT "Name▲for▲player▲two"; X$ : IF X$
    = "" THEN X$ = "FRUIT▲CAKE"
180  IF LEN( X$ ) > 23 THEN 170
190  PLAYER$( 2 ) = X$
200  LOCATE 1, 17 : PRINT "OK▲'"; PLAYER$( 1 ); "'▲AND▲'"; P
    LAYER$( 2 ); "'"
210  LOCATE 10, 23 : PRINT "Press▲a▲key▲to▲begin"
220  IF INKEY$ = "" THEN 220
230  MSG$( 1 ) = "Please▲select▲first▲card" : MSG$( 2 ) = "O
    K▲Sweet"
240  MSG$( 3 ) = "Now▲select▲a▲second▲card" : MSG$( 4 ) = "S
    ORRY,▲THEY▲ARE▲NOT▲A▲MATCH▲!"
250  CLS
260  FOR CN = 1 TO 18 : GOSUB 810 : NEXT
270  CPLR = 2

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280  :
290  IF CPLR = 1 THEN CPLR = 2 : GOSUB 900 ELSE CPLR = 1 : G
    OSUB 900
300  MN = 1 : GOSUB 950
310  X$ = INKEY$ : IF X$ = "" THEN 310
320  IF ( X$ < "A" AND X$ > "R" ) AND ( X$ < "a" AND X$ > "r
    " ) THEN 300
330  IF X$ > "R" THEN LASTCARD = ASC( X$ ) - 96 ELSE LASTCAR
    D = ASC( X$ ) - 64
340  IF FLIPPED( LASTCARD ) = 1 THEN 300 ELSE FLIPPED( LASTC
    ARD ) = 1 : CN = LASTCARD : GOSUB 500
350  MN = 2 : GOSUB 950
360  FOR I = 1 TO 1000 : NEXT

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370 MN = 3 : GOSUB 950
380 X$ = INKEY$ : IF X$ = "" THEN 380
390 IF ( X$ < "A" AND X$ > "R" ) AND ( X$ < "a" AND X$ > "r" ) THEN 370
400 IF X$ > "R" THEN CN = ASC( X$ ) - 96 ELSE CN = ASC( X$ ) - 64
410 IF FLIPPED( CN ) = 1 OR LASTCARD = CN THEN 370
420 FLIPPED( CN ) = 1 : GOSUB 500
430 MN = 2 : GOSUB 950
440 FOR I = 1 TO 1000 : NEXT
450 IF NUMBERS( CN ) = NUMBERS( LASTCARD ) THEN GOSUB 580 :
    GOTO 290
460 MN = 4 : GOSUB 950
470 GOSUB 810 : FLIPPED( CN ) = 0 : CN = LASTCARD : GOSUB 810 : FLIPPED( CN ) = 0 : FOR I = 1 TO 1000 : NEXT
480 GOTO 290

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490 :
500 PRINT CHR$( 7 ) : PEN 2
510 FOR I = 1 TO 5 : LOCATE CARDX( CN ), CARDY( CN ) + I - 1
520 PRINT BACK$
530 NEXT
540 PAPER 2 : PEN 3 : LOCATE CARDX( CN ) + 2, CARDY( CN ) + 2
550 PRINT USING "##": NUMBERS( CN )
560 PAPER 0 : RETURN

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570 :
580 SCORE( CPLR ) = SCORE( CPLR ) + 10 : GOSUB 900 : FOR I = 1 TO 18
590 FOR J = 1 TO 5
600 LOCATE CARDX( I ) + 5, CARDY( I ) + J - 1
610 PEN 3 : PRINT CHR$( 224 )
620 SOUND 1, 4000 - 220 * I + 40 * J, 7, 15
630 NEXT
640 FOR J = 1 TO 6
650 LOCATE CARDX( I ) + J - 1, CARDY( I ) + 5
660 PRINT CHR$( 224 )
670 NEXT : NEXT
680 FOR I = 18 TO 1 STEP -1
690 FOR J = 1 TO 5
700 LOCATE CARDX( I ) + 5, CARDY( I ) + J - 1
710 PRINT "▲"
720 SOUND 1, 220 * I - 40 * J, 7, 15
730 NEXT
740 FOR J = 1 TO 6
750 LOCATE CARDX( I ) + J - 1, CARDY( I ) + 5
760 PRINT "▲"
770 NEXT : NEXT
780 IF SCORE( 1 ) + SCORE( 2 ) = 90 THEN 1010
790 RETURN

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800  :
810  PEN 1
820  FOR I = 1 TO 5
830  LOCATE CARDX( CN ), CARDY( CN ) + I - 1
840  PRINT CARD$
850  NEXT
860  PAPER 1 : PEN 2 : LOCATE CARDX( CN ) + 2, CARDY( CN ) +
    2
870  PRINT CHR$( 64 + CN )
880  PAPER 0 : RETURN

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890  :
900  LOCATE 1, 19 : PEN 3 : PRINT SPACE$( 23 ) : LOCATE 1, 1
    9
910  PRINT PLAYER$( CPLR )
920  LOCATE 25, 19 : PRINT "Score :▲"; SCORE( CPLR )
930  RETURN

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940  :
950  PEN 3 : LOCATE 1, 23
960  PRINT SPACE$( 35 )
970  LOCATE 1, 23
980  PRINT MSG$( MN )
990  RETURN

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1000 :
1010 CLS : PRINT SPACE$( 16 ); "GAME▲OVER"
1020 IF SCORE( 1 ) > SCORE( 2 ) THEN X$ = PLAYER$( 1 ) ELSE
    X$ = PLAYER$( 2 )
1030 LOCATE 1, 10 : PRINT "CONGRATULATIONS▲TO▲"; X$
1040 LOCATE 1, 13 : PRINT PLAYER$( 1 ); "▲SCORED▲"; SCORE( 1
    )
1050 LOCATE 1, 16 : PRINT PLAYER$( 2 ); "▲SCORED▲"; SCORE( 2
    )
1060 LOCATE 6, 22 : PRINT "PRESS▲A▲KEY▲FOR▲ANOTHER▲GAME"
1070 IF INKEY$ = "" THEN 1070 ELSE RUN

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# ChexSum Tables

10	=	1408	290	=	1864	2190	=	2872
20	=	3168	300	=	4105	2200	=	323
25	=	1013	310	=	4145	2210	=	353
27	=	5199	320	=	3387	2230	=	2430
30	=	5173	330	=	1735	2250	=	201
32	=	176	340	=	928	2990	=	0
35	=	2416	350	=	1428	3000	=	234
40	=	4007	360	=	4141	3010	=	1009
50	=	4382	370	=	930	3020	=	2720
60	=	4439	380	=	6043	3030	=	636
65	=	2739	390	=	432	3040	=	176
70	=	549	990	=	0	3050	=	2992
80	=	1953	1000	=	819	3060	=	1181
90	=	4728	1010	=	3698	3070	=	434
95	=	1467	1020	=	627	3990	=	0
100	=	1146	1030	=	176	4000	=	1476
110	=	4958	1040	=	2994	4010	=	1342
115	=	1487	1050	=	1769	4020	=	2368
120	=	1147	1060	=	434	4030	=	201
130	=	3088	1990	=	0	4990	=	0
140	=	2443	2000	=	4013	5000	=	545
150	=	1301	2010	=	1010	5010	=	641
160	=	4659	2020	=	2840	5020	=	308
165	=	5640	2030	=	1048	5030	=	962
170	=	138	2040	=	2365	5040	=	201
180	=	1667	2050	=	176	8990	=	0
190	=	701	2070	=	979	9000	=	1550
200	=	0	2080	=	2872	9010	=	4442
210	=	3571	2090	=	811	9020	=	2273
220	=	927	2110	=	353	9025	=	2589
230	=	2059	2120	=	1523	9027	=	2594
240	=	4310	2130	=	978	9030	=	2501
245	=	5035	2140	=	2872	9040	=	1652
247	=	6086	2150	=	323			
250	=	960	2160	=	1920			
260	=	1396	2170	=	176			
270	=	929	2180	=	1011			
						TOTAL	=	202596