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5 DEF FNPTS( C ) = ( C MOD 13 ) - 13 * ( ( C / 13 ) = INT
  ( C / 13 ) )
10 MODE 1 : INK 0, 1 : INK 1, 26 : INK 2, 6 : INK 3, 0
15 DEF FNSUIT( C ) = - 228 * ( C < 14 ) - 229 * ( C > 39 )
  - 227 * ( ( C >= 14 ) AND ( C <= 26 ) ) - 226 * ( ( C >
    = 27 ) AND ( C <= 39 ) )
20 SYMBOL AFTER 236 : SYMBOL 236, 255, 127, 42, 31, 19, 29
  , 9, 16 : SYMBOL 237, 32, 56, 16, 28, 16, 16, 17, 14
30 SYMBOL 238, 255, 254, 172, 248, 248, 248, 188, 136 : SY
  MBOL 239, 116, 92, 84, 108, 106, 218, 151, 7
40 SYMBOL 240, 0, 0, 0, 0, 3, 7, 15, 15 : SYMBOL 241, 0, 0
  , 0, 0, 255, 255, 255, 255
50 SYMBOL 242, 0, 0, 0, 0, 192, 224, 240, 240 : SYMBOL 243
  , 15, 15, 15, 15, 15, 15, 15, 15
60 SYMBOL 244, 240, 240, 240, 240, 240, 240, 240, 240 : SY
  MBOL 245, 15, 15, 7, 3, 0, 0, 0, 0
70 SYMBOL 246, 255, 255, 255, 255, 0, 0, 0, 0 : SYMBOL 247
  , 240, 240, 224, 192, 0, 0, 0, 0
80 SYMBOL 248, 4, 10, 15, 5, 7, 5, 10, 10 : SYMBOL 249, 10
  , 10, 21, 21, 26, 54, 73, 48
90 SYMBOL 250, 68, 170, 254, 84, 252, 72, 136, 152 : SYMBO
  L 251, 132, 130, 28, 8, 24, 8, 8, 240
100 SYMBOL 252, 0, 5, 11, 15, 31, 62, 60, 121 : SYMBOL 253,
  120, 120, 120, 124, 124, 124, 62, 31
110 SYMBOL 254, 128, 80, 232, 248, 28, 12, 14, 39 : SYMBOL
  255, 7, 7, 199, 15, 207, 15, 30, 252
120 CARD$ = CHR$( 240 ) + STRING$( 7, 241 ) + CHR$( 242 ) +
  CHR$( 10 ) + STRING$( 9, 8 ) : T$ = CHR$( 243 ) + STRIN
  G$( 7, 143 ) + CHR$( 244 )
130 FOR I = 1 TO 9 : CARD$ = CARD$ + T$ + CHR$( 10 ) + STRI
  NG$( 9, 8 ) : NEXT
140 CARD$ = CARD$ + CHR$( 245 ) + STRING$( 7, 246 ) + CHR$(
  247 )
150 DIM CC( 52 ), CARDS$( 52 ), DECK( 52 ), CHAND( 16 )
160 FOR I = 1 TO 26 : CC( I ) = 2 : NEXT
170 FOR I = 27 TO 52 : CC( I ) = 3 : NEXT
180 T$ = STRING$( 9, 9 ) : FOR I = 1 TO 10 : BLANK$ = BLANK
  $ + T$ + CHR$( 10 ) + STRING$( 9, 8 ) : NEXT
190 FOR I = 1 TO 52 : CARDS$( I ) = BLANK$ : DECK( I ) = I
  : NEXT
200 MID$( CARDS$( 1 ), 21, 1 ) = "A" : MID$( CARDS$( 1 ), 1
  79, 1 ) = "A" : FOR I = 2 TO 9 : MID$( CARDS$( I ), 21,
  1 ) = CHR$( 48 + I ) : MID$( CARDS$( I ), 179, 1 ) = CHR
  $( 48 + I ) : NEXT
210 MID$( CARDS$( 14 ), 21, 1 ) = "A" : MID$( CARDS$( 14 ),
  179, 1 ) = "A" : FOR I = 2 TO 9 : MID$( CARDS$( I + 13
  ), 21, 1 ) = CHR$( 48 + I ) : MID$( CARDS$( I + 13 ), 17
  9, 1 ) = CHR$( 48 + I ) : NEXT
220 MID$( CARDS$( 27 ), 21, 1 ) = "A" : MID$( CARDS$( 27 ),
  179, 1 ) = "A" : FOR I = 2 TO 9 : MID$( CARDS$( I + 26
  ), 21, 1 ) = CHR$( 48 + I ) : MID$( CARDS$( I + 26 ), 17
  9, 1 ) = CHR$( 48 + I ) : NEXT
230 MID$( CARDS$( 40 ), 21, 1 ) = "A" : MID$( CARDS$( 40 ),
  179, 1 ) = "A" : FOR I = 2 TO 9 : MID$( CARDS$( I + 39
  ), 21, 1 ) = CHR$( 48 + I ) : MID$( CARDS$( I + 39 ), 17
  9, 1 ) = CHR$( 48 + I ) : NEXT

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240 FOR I = 10 TO 49 STEP 13 : MID$( CARDS$( I ), 21, 1 ) =
    "1" : MID$( CARDS$( I ), 22, 1 ) = "0" : MID$( CARDS$(
    I ), 178, 1 ) = "1" : MID$( CARDS$( I ), 179, 1 ) = "0"
    : NEXT
250 FOR I = 11 TO 50 STEP 13 : MID$( CARDS$( I ), 21, 1 ) =
    "J" : MID$( CARDS$( I ), 179, 1 ) = "J" : NEXT
260 FOR I = 12 TO 51 STEP 13 : MID$( CARDS$( I ), 21, 1 ) =
    "Q" : MID$( CARDS$( I ), 179, 1 ) = "Q" : NEXT
270 FOR I = 13 TO 52 STEP 13 : MID$( CARDS$( I ), 21, 1 ) =
    "K" : MID$( CARDS$( I ), 179, 1 ) = "K" : NEXT
280 FOR I = 1 TO 40 STEP 13 : MID$( CARDS$( I ), 100, 1 ) =
    CHR$( FNSUIT( I ) ) : NEXT
290 FOR I = 2 TO 41 STEP 13 : MID$( CARDS$( I ), 43, 1 ) =
    CHR$( FNSUIT( I ) ) : MID$( CARDS$( I ), 157, 1 ) = CHR$(
    FNSUIT( I ) ) : NEXT
300 FOR I = 3 TO 42 STEP 13 : MID$( CARDS$( I ), 43, 1 ) =
    CHR$( FNSUIT( I ) ) : MID$( CARDS$( I ), 157, 1 ) = CHR$(
    FNSUIT( I ) ) : MID$( CARDS$( I ), 100, 1 ) = CHR$( FN
    SUIT( I ) ) : NEXT
310 FOR I = 4 TO 43 STEP 13 : T$ = CHR$( FNSUIT( I ) ) : MI
    D$( CARDS$( I ), 41, 1 ) = T$ : MID$( CARDS$( I ), 45, 1
    ) = T$ : MID$( CARDS$( I ), 155, 1 ) = T$ : MID$( CARDS
    $( I ), 159, 1 ) = T$ : NEXT
320 FOR I = 5 TO 44 STEP 13 : T$ = CHR$( FNSUIT( I ) ) : MI
    D$( CARDS$( I ), 41, 1 ) = T$ : MID$( CARDS$( I ), 45, 1
    ) = T$ : MID$( CARDS$( I ), 155, 1 ) = T$ : MID$( CARDS
    $( I ), 159, 1 ) = T$ : MID$( CARDS$( I ), 100, 1 ) = T$
    : NEXT
330 FOR I = 6 TO 45 STEP 13 : T$ = CHR$( FNSUIT( I ) ) : MI
    D$( CARDS$( I ), 41, 1 ) = T$ : MID$( CARDS$( I ), 45, 1
    ) = T$ : MID$( CARDS$( I ), 155, 1 ) = T$ : MID$( CARDS
    $( I ), 159, 1 ) = T$ : MID$( CARDS$( I ), 102, 1 ) = T$

335 MID$( CARDS$( I ), 98, 1 ) = T$ : NEXT
340 FOR I = 7 TO 46 STEP 13 : T$ = CHR$( FNSUIT( I ) ) : MI
    D$( CARDS$( I ), 41, 1 ) = T$ : MID$( CARDS$( I ), 45, 1
    ) = T$ : MID$( CARDS$( I ), 155, 1 ) = T$ : MID$( CARDS
    $( I ), 159, 1 ) = T$ : MID$( CARDS$( I ), 102, 1 ) = T$

345 MID$( CARDS$( I ), 62, 1 ) = T$ : MID$( CARDS$( I ), 98
    , 1 ) = T$ : NEXT
350 FOR I = 8 TO 47 STEP 13 : T$ = CHR$( FNSUIT( I ) ) : MI
    D$( CARDS$( I ), 41, 1 ) = T$ : MID$( CARDS$( I ), 45, 1
    ) = T$ : MID$( CARDS$( I ), 155, 1 ) = T$ : MID$( CARDS
    $( I ), 159, 1 ) = T$ : MID$( CARDS$( I ), 102, 1 ) = T$

355 MID$( CARDS$( I ), 62, 1 ) = T$ : MID$( CARDS$( I ), 98
    , 1 ) = T$ : MID$( CARDS$( I ), 138, 1 ) = T$ : NEXT
360 FOR I = 9 TO 48 STEP 13 : T$ = CHR$( FNSUIT( I ) ) : MI
    D$( CARDS$( I ), 41, 1 ) = T$ : MID$( CARDS$( I ), 45, 1
    ) = T$ : MID$( CARDS$( I ), 79, 1 ) = T$ : MID$( CARDS$(
    I ), 83, 1 ) = T$ : MID$( CARDS$( I ), 117, 1 ) = T$
365 MID$( CARDS$( I ), 121, 1 ) = T$ : MID$( CARDS$( I ), 1
    55, 1 ) = T$ : MID$( CARDS$( I ), 159, 1 ) = T$ : MID$(
    CARDS$( I ), 100, 1 ) = T$ : NEXT
370 FOR I = 10 TO 49 STEP 13 : T$ = CHR$( FNSUIT( I ) ) : M
    ID$( CARDS$( I ), 41, 1 ) = T$ : MID$( CARDS$( I ), 45,
    1 ) = T$ : MID$( CARDS$( I ), 79, 1 ) = T$ : MID$( CARDS
    $( I ), 83, 1 ) = T$ : MID$( CARDS$( I ), 117, 1 ) = T$
375 MID$( CARDS$( I ), 121, 1 ) = T$ : MID$( CARDS$( I ), 1
    55, 1 ) = T$ : MID$( CARDS$( I ), 159, 1 ) = T$ : MID$(
    CARDS$( I ), 62, 1 ) = T$ : MID$( CARDS$( I ), 138, 1 )
    = T$ : NEXT

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380 FOR I = 11 TO 50 STEP 13 : T$ = CHR$( FNSUIT( I ) ) : M
    ID$( CARDS$( I ), 27, 1 ) = T$ : MID$( CARDS$( I ), 173,
    1 ) = T$ : MID$( CARDS$( I ), 99, 1 ) = CHR$( 236 ) : M
    ID$( CARDS$( I ), 100, 1 ) = CHR$( 238 ) : MID$( CARDS$(
    I ), 118, 1 ) = CHR$(237)
385 MID$( CARDS$( I ), 119, 1 ) = CHR$(239) : NEXT
390 FOR I = 12 TO 51 STEP 13 : T$ = CHR$( FNSUIT( I ) ) : M
    ID$( CARDS$( I ), 27, 1 ) = T$ : MID$( CARDS$( I ), 173,
    1 ) = T$ : MID$( CARDS$( I ), 99, 1 ) = CHR$( 252 ) : M
    ID$( CARDS$( I ), 100, 1 ) = CHR$( 254 ) : MID$( CARDS$(
    I ), 118, 1 ) = CHR$(253)
395 MID$( CARDS$( I ), 119, 1 ) = CHR$(255) : NEXT
400 FOR I = 13 TO 52 STEP 13 : T$ = CHR$( FNSUIT( I ) ) : M
    ID$( CARDS$( I ), 27, 1 ) = T$ : MID$( CARDS$( I ), 173,
    1 ) = T$ : MID$( CARDS$( I ), 99, 1 ) = CHR$( 248 ) : M
    ID$( CARDS$( I ), 100, 1 ) = CHR$( 250 ) : MID$( CARDS$(
    I ), 118, 1 ) = CHR$(249)
405 MID$( CARDS$( I ), 119, 1 ) = CHR$(251) : NEXT
410 ACCOUNT = 100 : FOR I = 1 TO 100 : J = INT( RND( 1 ) *
    52 ) + 1 : K = INT( RND( 1 ) * 52 ) + 1 : T = DECK( J )
    : DECK( J ) = DECK( K ) : DECK( K ) = T : NEXT

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420 :
430 PAPER 0 : CLS : BORDER 1
440 PEN 1 : LOCATE 15, 1 : PRINT "YOUR HAND" : LOCATE 15, 2
    5 : PRINT "ACCOUNT : "; : PRINT USING "$#####.##"; ACC
   OUNT
450 NEXTCD = 2 : CDRAW = DECK( 1 ) : COL = 1 : ROW = 2 : GO
    SUB 1000 : NPCDS = 1
460 PPTS = FNPTS( CDRAW ) : LOCATE 15, 15 : PEN 1 : PRINT "
    POINTS : "; PPTS
470 LOCATE 1, 20 : INPUT "Initial bet "; X$ : MBET = VAL( X
    $ )

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480 :
490 NCCDS = NCCDS + 1 : CPTS = CPTS + FNPTS( DECK( NEXTCD )
    ) : CHAND( NCCDS ) = DECK( NEXTCD ) : NEXTCD = NEXTCD +
    1 : IF CPTS > 25 AND PSTOP = 1 THEN 2000
500 IF PSTOP = 1 THEN 490 ELSE CDRAW = DECK( NEXTCD ) : COL
    = 1 + 4 * NPCDS : ROW = 2 : GOSUB 1000 : NEXTCD = NEXTC
    D + 1 : NPCDS = NPCDS + 1
505 PPTS = PPTS + FNPTS( CDRAW ) : LOCATE 15, 15 : PEN 1 :
    PRINT "POINTS : "; PPTS : IF PPTS > 31 THEN 3000
510 LOCATE 1, 22 : PEN 1 : INPUT "WANT TO STOP (Y/N)"; X$ :
    IF X$ <> "Y" AND X$ <> "y" THEN 520 ELSE PSTOP = 1 : IF
    CPTS > 25 THEN 2000 ELSE 490
520 LOCATE 1, 20 : INPUT "HOW MUCH TO ADD TO YOUR BET"; X$
    : MBET = MBET + VAL( X$ )
530 LOCATE 1, 20 : PRINT SPACE$( 39 ) : LOCATE 1, 22 : PRIN
    T SPACE$( 39 ) : IF CPTS > 25 THEN 500 ELSE GOTO 490

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990 :

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1000 PEN 1 : LOCATE COL, ROW
1010 PRINT USING "&"; CARD$ : PAPER 1
1020 PEN CC( CDRAW ) : LOCATE COL, ROW : PRINT USING "&"; CA
    RDS$( CDRAW )
1030 PAPER 0
1040 RETURN

1990 :
2000 LOCATE 15, 15 : PRINT SPACE$( 20 ) : LOCATE 15, 13 : PE
    N 1 : PRINT "AMSTRAD'S HAND▲▲▲" : FOR I = 1 TO NCCDS : C
    OL = 4 * I - 3 : ROW = 14 : CDRAW = CHAND( I ) : GOSUB 1
    000 : NEXT
2010 PEN 1 : LOCATE 1, 25 : PRINT "YOUR▲POINTS :▲"; PPTS; "A
    MSTRAD'S▲POINTS :▲"; CPTS
2020 FOR I = 1 TO 6000 : NEXT
2030 LOCATE 1, 25 : PRINT SPACE$( 39 ) : IF CPTS > 31 THEN 2
    050
2040 IF CPTS > PPTS THEN 3000 ELSE IF PPTS = CPTS THEN CLS :
    PRINT "IT▲IS▲A▲DRAW▲!!" : GOTO 2500
2050 CLS : PRINT "YOUR▲WIN▲!!" : ACCOUNT = ACCOUNT + MBET :
    GOTO 2500

2490 :
2500 FOR I = 1 TO 4000 : NEXT
2510 FOR I = 1 TO 100 : J = INT( RND( 1 ) * 52 ) + 1 : K = I
    NT( RND( 1 ) * 52 ) + 1 : T = DECK( J ) : DECK( J ) = DE
    CK( K ) : DECK( K ) = T : NEXT
2520 CPTS = 0 : NCCDS = 0 : PSTOP = 0 : MBET = 0
2530 PRINT : INPUT "ANOTHER▲HAND"; X$ : IF X$ = "Y" OR X$ =
    "y" THEN 430
2540 PRINT : PRINT "YOUR▲ACCOUNT :▲"; : PRINT USING "$$#####
    #.##"; ACCOUNT
2550 IF ACCOUNT < 0 THEN PRINT "EXPECT▲A▲VISIT▲BY▲THE▲BOYS▲!
    !!" ELSE PRINT "ENJOY▲YOUR▲WINNINGS▲!!!"
2560 END

2990 :
3000 FOR I = 1 TO 2000 : NEXT : CLS : PRINT "AMSTRAD▲WINS▲!!
    " : ACCOUNT = ACCOUNT - MBET
3010 GOTO 2500

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ChexSum Tables

5	=	4223	290	=	7246	505	=	6085
10	=	1338	300	=	10056	510	=	7340
15	=	8647	310	=	10261	520	=	4633
20	=	3511	320	=	11958	530	=	4057
30	=	4730	330	=	11817	990	=	0
40	=	3064	335	=	1901	1000	=	1232
50	=	3090	340	=	11819	1010	=	1336
60	=	4016	345	=	3590	1020	=	3860
70	=	3954	350	=	11821	1030	=	232
80	=	2415	355	=	5355	1040	=	201
90	=	3867	360	=	11686	1990	=	0
100	=	3246	365	=	7251	2000	=	8504
110	=	3633	370	=	11699	2010	=	4280
120	=	7400	375	=	8978	2020	=	1296
130	=	4093	380	=	12979	2030	=	2238
140	=	3812	385	=	2342	2040	=	5448
150	=	2589	390	=	13029	2050	=	3814
160	=	2012	395	=	2326	2490	=	0
170	=	2076	400	=	13019	2500	=	1336
180	=	5297	405	=	2354	2510	=	8939
190	=	3903	410	=	9938	2520	=	2990
200	=	8815	420	=	0	2530	=	3885
210	=	9459	430	=	581	2540	=	3240
220	=	9511	440	=	4495	2550	=	5628
230	=	9563	450	=	4608	2560	=	152
240	=	8075	460	=	3893	2990	=	0
250	=	4903	470	=	3233	3000	=	5036
260	=	4919	480	=	0	3010	=	427
270	=	4909	490	=	11390			
280	=	4340	500	=	9554			
						TOTAL	=	450778