

# digital group software systems inc.

## MAXI-BASIC Game Set 7

After having loaded the MAXI-BASIC Interpreter into your computer and selected the appropriate option (i.e. TV-only or HARDCOPY) start your audio cassette playing at the proper point and then type

LOADcr

Then wait until the

READY

message appears on the screen.

The programs on this tape are recorded in the following order:

#1 BRIDGE DEALER	63-70
#2 "WAR" CARDS	63-74
#3 ACEY-DUCY	63-74
#4 HORSE RACE	63-77
#5 BLACKJACK	63-162

Once the READY Message appears after the load; Type

RUNcr

to start the program running.

All programs on this tape are self documenting in terms of execution instructions, or there are instructions provided in the documentation. In addition the directions, where applicable, can be read in the source listings as well as in the run examples.

Since BASIC is a character and line oriented language these programs should run equally well with either a 32 or 64 character video display. However, there is the possibility that minor changes in some of the PRINT statements might make the output more appealing to an individual user; such changes are left to the discretion of the user since complete source and run listings have been provided.

READY  
LIST

```
10 DIM D(52),E(51),S$(13)
20 DIM H(13)
100 PRINT
110 PRINT "BRIDGE HAND DEALER ";
1000 GOSUB 9000
2000 FOR D=0 TO 3
2010 IF D=0 THEN PRINT "NORTH ";
2020 IF D=1 THEN PRINT "EAST ";
2030 IF D=2 THEN PRINT "SOUTH ";
2040 IF D=3 THEN PRINT "WEST ";
2050 PRINT "HAND ";
2060 LET P0=P
2070 FOR K=1 TO 13
2080 LET H(K)=D(P0)
2090 LET P0=P0+1
2100 NEXT K
2110 FOR K=2 TO 13
2120 IF H(K-1)<H(K) THEN 2200
2130 LET Z=H(K-1)
2140 LET H(K-1)=H(K)
2150 LET H(K)=Z
2160 IF K=2 THEN 2200
2170 LET K=K-1
2180 GOTO 2120
2200 NEXT K
2205 LET P0=P
2210 FOR K=1 TO 13
2220 LET D(P0)=H(K)
2230 LET P0=P0+1
2240 NEXT K
2250 FOR K=1 TO 13
2251 IF K=1 THEN 2260
2252 PRINT TAB(11);
2260 GOSUB 9200
2270 LET P=P+1
2280 NEXT K
2300 PRINT
2400 NEXT D
2500 GOTO 8990
8000 FOR W=1 TO 13
8010 PRINT H(W);
8020 NEXT W
8025 PRINT
8030 RETURN
8990 END
9000 REM SHUFFLE ROUTINE ALL STD CARD GAMES
9015 LET S$="SHUFFLINGDECK"
9020 FOR X=0 TO 51
9021 E(X)=0
9022 NEXT X
9030 FOR S=1 TO 52
9040 LET X=INT(52*RND(X))
9050 IF E(X)<>0 THEN 9040
9060 LET E(X)=1
9070 LET D(S)=X
9080 IF S/4 <> INT(S/4) THEN 9110
9090 LET S0=INT((S-1)/4)+1
9100 PRINT S$(S0,S0);
```

```

9110 NEXT S
9140 PRINT
9145 LET P=1
9150 RETURN
9200 REM PRINT CARD VALUE ROUTINE
9210 REM D(P)=CURRENT CARD
9220 LET S=INT(D(P)/13)
9230 LET C=D(P)-13*S+2
9240 IF C>10 THEN 9270
9250 IF C=10 THEN # " "; ELSE # " ";
9255 PRINT C;
9260 GOTO 9310
9270 IF C=11 THEN PRINT " JACK";
9280 IF C=12 THEN PRINT " QUEEN";
9290 IF C=13 THEN PRINT " KING";
9300 IF C=14 THEN PRINT " ACE";
9310 IF S=0 THEN PRINT " CLUBS"
9320 IF S=1 THEN PRINT " DIAMONDS"
9330 IF S=2 THEN PRINT " HEARTS"
9340 IF S=3 THEN PRINT " SPADES"
9350 RETURN
READY

```

READY  
RUN

BRIDGE HAND DEALER SHUFFLING DECK

NORTE HAND 2 CLUBS  
3 CLUBS  
8 CLUBS  
KING CLUBS  
JACK DIAMONDS  
QUEEN DIAMONDS  
6 HEARTS  
7 HEARTS  
9 HEARTS  
6 SPADES  
7 SPADES  
9 SPADES  
JACK SPADES

EAST HAND 4 CLUBS  
5 CLUBS  
ACE CLUBS  
2 DIAMONDS  
3 DIAMONDS  
6 DIAMONDS  
7 DIAMONDS  
8 HEARTS  
KING HEARTS  
2 SPADES  
8 SPADES  
QUEEN SPADES  
ACE SPADES

SOUTH HAND 7 CLUBS  
9 CLUBS  
QUEEN CLUBS  
4 DIAMONDS  
10 DIAMONDS  
ACE DIAMONDS  
2 HEARTS  
3 HEARTS  
4 HEARTS  
10 HEARTS  
JACK HEARTS  
5 SPADES  
12 SPADES

WEST HAND 6 CLUBS  
10 CLUBS  
JACK CLUBS  
5 DIAMONDS  
8 DIAMONDS  
9 DIAMONDS  
KING DIAMONDS  
5 HEARTS  
QUEEN HEARTS  
ACE HEARTS  
3 SPADES  
4 SPADES  
KING SPADES

```

10 DIM D(52),E(51),S$(13)
120 PRINT "THE CARD GAME OF WAR IS PLAYED BY TWO PLAYERS, EACH OF WHC "
110 PRINT "STARTS WITH HALF OF A DECK OF A STANDARD DECK OF CARDS. THE "
120 PRINT "OBJECT OF THE GAME IS TO WIN ALLOF THE CARDS. THIS IS DONE BY
130 PRINT "EACH PLAYER LAYING ONE CARD CN THE TABLE, AND THE PLAYER W IH
140 PRINT "THE HIGHER VALUED CARD GETS BOTHOF THE CARDS. WHEN A TIE HAPP
150 PRINT "ENS NO ONE GETS THE CARDS AND PLAY CONTINUES.
160 PRINT "IN THIS VERSION BOTH YOU AND THECOMPUTER START WITH A SCORE OF
170 PRINT "26, AND WHOEVER WINS A ROUND HAS1 ADDED TO HIS SCORE WHILE THE
180 PRINT "OTHER HAS ONE SUBTRACTED FROM HIS SCORE. THE FIRST ONE TO"
190 PRINT "GET 52 WINS. THE COMPUTER WILL DEAL AND WILL SHUFFLE WHENE ER
200 PRINT "THE DECK RUNS CUT"
210 INPUT "DO YOU WANT TO PLAY?",A$
220 IF A$(1,1)="N" THEN 8999
221 LET P=53
222 LET B1=26
223 LET R=0
224 LET B2=26
225 PRINT
226 IF P<53 THEN 280
230 PRINT
240 PRINT "WAIT WHILE I SHUFFLE"
250 PRINT
260 GOSUB 9000
270 PRINT
280 LET R=R+1
290 PRINT "ROUND";R
300 PRINT "YOUR CARD IS ";
310 GOSUB 9200
320 LET C1=C
330 LET P=P+1
340 PRINT "COMPUTER'S CARD ";
350 GOSUB 9200
360 LET P=P+1
370 LET C2=C
380 IF C1=C2 THEN 1000
390 IF C1<C2 THEN 2000
400 LET B1=B1+1
410 LET B2=B2-1
420 PRINT "YOU WIN!";
430 GOTO 4000
1000 PRINT "TIE!";
1100 GOTO 4000
2000 PRINT "YOU LOSE!";
2100 LET B1=B1-1
2200 LET B2=B2+1
2300 GOTO 4000
4000 PRINT
4100 PRINT "YOU HAVE";B1;" COMPUTER HAS";B2
4200 IF B1=52 THEN 5000
4300 IF B2=52 THEN 5500
4400 GOTO 225
4500 INPUT "DO YOU WISH TO CONTINUE? ",A$
4600 IF A$(1,1)="Y" THEN 225 ELSE 8999
5000 PRINT "THE GAME IS OVER AND YOU HAVE WON. CONGRATULATIONS!"
5100 GOTO 6000
5500 PRINT "THE GAME IS OVER AND COMPUTER WON. BETTER LUCK NEXT TIME."
6000 INPUT "WOULD YOU LIKE TO PLAY AGAIN? ",A$

```

```

6010 IF A$(1,1)="N" THEN 8999 ELSE 221
8999 END
9000 REM SHUFFLE ROUTINE ALL STD CARD GAMES
9015 LET S$="SHUFFLINGDECK"
9020 FOR X=0 TO 51
9021 E(X)=0
9022 NEXT X
9023 PRINT TAB(9);
9030 FOR S=1 TO 52
9040 LET X=INT(52*RND(X))
9050 IF E(X)<>0 THEN 9040
9060 LET E(X)=1
9070 LET D(S)=X
9080 IF S/4 <> INT(S/4) THEN 9110
9090 LET S0=INT((S-1)/4)+1
9100 PRINT S$(S0,S0);
9110 NEXT S
9140 PRINT
9145 LET P=1
9150 RETURN
9200 REM PRINT CARD VALUE ROUTINE
9210 REM D(P)=CURRENT CARD
9220 LET S=INT(D(P)/13)
9230 LET C=D(P)-13*S+2
9240 IF C>10 THEN 9270
9250 IF C=10 THEN # " "; ELSE # " ";
9255 PRINT C;
9260 GOTO 9310
9270 IF C=11 THEN PRINT " JACK";
9280 IF C=12 THEN PRINT " QUEEN";
9290 IF C=13 THEN PRINT " KING";
9300 IF C=14 THEN PRINT " ACE";
9310 IF S=0 THEN PRINT " CLUBS"
9320 IF S=1 THEN PRINT " DIAMONDS"
9330 IF S=2 THEN PRINT " HEARTS"
9340 IF S=3 THEN PRINT " SPADES"
9350 RETURN
READY

```

READY  
RUN

THE CARD GAME OF WAR IS PLAYED BY TWO PLAYERS, EACH OF WHOM STARTS WITH HALF OF A DECK OF A STANDARD DECK OF CARDS. THE OBJECT OF THE GAME IS TO WIN ALL OF THE CARDS. THIS IS DONE BY EACH PLAYER LAYING ONE CARD ON THE TABLE, AND THE PLAYER WITH THE HIGHER VALUED CARD GETS BOTH OF THE CARDS. WHEN A TIE HAPPENS NO ONE GETS THE CARDS AND PLAY CONTINUES. IN THIS VERSION BOTH YOU AND THE COMPUTER START WITH A SCORE OF 26, AND WHOEVER WINS A ROUND HAS 1 ADDED TO HIS SCORE WHILE THE OTHER HAS ONE SUBTRACTED FROM HIS SCORE. THE FIRST ONE TO GET 52 WINS. THE COMPUTER WILL DEAL AND WILL SHUFFLE WHENEVER THE DECK RUNS OUT  
DO YOU WANT TO PLAY? YES

WAIT WHILE I SHUFFLE

SHUFFLING DECK

ROUND 1

YOUR CARD IS           8 SPADES  
COMPUTER'S CARD       ACE SPADES  
YOU LOSE!  
YOU HAVE 25 COMPUTER HAS 27  
DO YOU WISH TO CONTINUE? Y

ROUND 2

YOUR CARD IS           8 HEARTS  
COMPUTER'S CARD       ACE CLUBS  
YOU LOSE!  
YOU HAVE 24 COMPUTER HAS 28  
DO YOU WISH TO CONTINUE? Y

ROUND 3

YOUR CARD IS           9 HEARTS  
COMPUTER'S CARD       7 SPADES  
YOU WIN!  
YOU HAVE 25 COMPUTER HAS 27  
DO YOU WISH TO CONTINUE? Y

ROUND 4

YOUR CARD IS           4 CLUBS  
COMPUTER'S CARD       3 DIAMONDS  
YOU WIN!  
YOU HAVE 26 COMPUTER HAS 26  
DO YOU WISH TO CONTINUE? Y

ROUND 5

YOUR CARD IS           9 DIAMONDS  
COMPUTER'S CARD       QUEEN SPADES  
YOU LOSE!  
YOU HAVE 25 COMPUTER HAS 27  
DO YOU WISH TO CONTINUE? Y

ROUND 6

YOUR CARD IS           QUEEN HEARTS  
COMPUTER'S CARD       4 DIAMONDS  
YOU WIN!

YOU HAVE 26 COMPUTER HAS 26  
DO YOU WISH TO CONTINUE? Y

ROUND 7  
YOUR CARD IS KING HEARTS  
COMPUTER'S CARD 2 CLUBS  
YOU WIN!  
YOU HAVE 27 COMPUTER HAS 25  
DO YOU WISH TO CONTINUE? Y

ROUND 8  
YOUR CARD IS KING CLUBS  
COMPUTER'S CARD 5 DIAMONDS  
YOU WIN!  
YOU HAVE 28 COMPUTER HAS 24  
DO YOU WISH TO CONTINUE? Y

ROUND 9  
YOUR CARD IS 9 CLUBS  
COMPUTER'S CARD 6 HEARTS  
YOU WIN!  
YOU HAVE 29 COMPUTER HAS 23  
DO YOU WISH TO CONTINUE? Y

ROUND 10  
YOUR CARD IS 3 HEARTS  
COMPUTER'S CARD 9 SPADES  
YOU LOSE!  
YOU HAVE 28 COMPUTER HAS 24  
DO YOU WISH TO CONTINUE? Y

ROUND 11  
YOUR CARD IS 4 SPADES  
COMPUTER'S CARD 3 CLUBS  
YOU WIN!  
YOU HAVE 29 COMPUTER HAS 23  
DO YOU WISH TO CONTINUE? Y

ROUND 12  
YOUR CARD IS 2 DIAMONDS  
COMPUTER'S CARD JACK SPADES  
YOU LOSE!  
YOU HAVE 28 COMPUTER HAS 24  
DO YOU WISH TO CONTINUE?

READY  
LIST

```
10 DIM D(52),E(51),S$(13)
100 PRINT "ACEY-DUCEY IS A GAME OF CHANCE PLAYED WITH CARDS. YOU THE"
110 PRINT "PLAYER ARE DEALT TWO CARDS FACE UP FROM A STANDARD 52 CARD DEC"
120 PRINT "YOU MAY THEN BET ANY AMOUNT UP TO YOUR FULL STAKE ON WHETHER"
130 PRINT "OR NOT YOU FEEL THAT THE NEXT CARD'S VALUE WILL BE BETWEEN"
140 PRINT "THE VALUES OF THE FIRST TWO CARDS. IF IT IS YOU WIN AN"
150 PRINT "AMOUNT EQUAL TO YOUR BET. ON THE OTHER HAND IF THE VALUE"
160 PRINT "OF THE THIRD CARD IS EQUAL TO THE VALUE OF EITHER OF THE"
170 PRINT "FIRST TWO CARDS OR IS LESS THAN THE LOWER VALUED CARD OR HIGH-
180 PRINT "ER THAN THE HIGHER VALUED CARD, YOU LOSE YOUR BET!"
190 PRINT
200 PRINT "IF YOU DO NOT WISH TO BET ON ANYTURN, YOU MAY BET 0"
210 PRINT
220 INPUT "DO YOU WANT TO PLAY? ",A$
230 IF A$(1,1)="N" THEN 8999
240 PRINT
245 PRINT "OKAY, ";
250 PRINT "BE PATIENT WHILE I SHUFFLE"
260 PRINT
270 GOSUB 9000
275 LET P=1
280 LET Q=INT(1000*RND(0))
290 PRINT
300 PRINT "YOU NOW HAVE ";Q;" DOLLARS"
310 IF Q<>0 THEN 360
320 INPUT "YOU ARE BROKE! WANT TO PLAY MORE",A$
330 IF A$(1,1)="N" THEN 8999
340 PRINT "OKAY, YOU WILL GET A NEW STAKE."
350 GOTO 280
360 IF P<50 THEN 400
370 PRINT "WAIT WHILE I SHUFFLE AGAIN"
380 GOSUB 9000
400 PRINT "HERE ARE YOUR TWO CARDS"
410 GOSUB 9200
415 LET C0=C
420 LET P=P+1
430 GOSUB 9200
432 LET P=P+1
435 LET C1=C
440 PRINT
450 INPUT "WHAT IS YOUR BET? ",B
460 IF B=0 THEN 290
462 IF B<=Q THEN 470
464 PRINT "YOU CAN'T BET MORE THAN YOU HAVE"
466 GOTO 450
470 PRINT "HERE IS YOUR CARD";
480 GOSUB 9200
485 LET P=P+1
490 REM ON RETURN FROM CARD PRINT C=NUMERIC VALUE OF CARD
500 IF C0<=C1 THEN 600
510 LET C3=C0
520 LET C0=C1
530 LET C1=C3
600 IF C<=C0 THEN 1000
610 IF C>=C1 THEN 1000
620 PRINT "YOU ARE A WINNER!"
630 LET Q=Q+B
640 GOTO 290
```

```

1200 PRINT "SORRY! YOU LOSE."
1210 LET Q=Q-B
1020 GOTO 290
8999 END
9000 REM SHUFFLE ROUTINE ALL STD CARD GAMES
9015 LET S$="SHUFFLINGDECK"
9020 FOR X=0 TO 51
9021 F(X)=0
9022 NEXT X
9023 PRINT TAB(9);
9030 FOR S=1 TO 52
9040 LET X=INT(52*RND(X))
9050 IF E(X)<>0 THEN 9042
9060 LET E(X)=1
9070 LET D(S)=X
9080 IF S/4 <> INT(S/4) THEN 9110
9090 LET S0=INT((S-1)/4)+1
9100 PRINT S$(S0,S0);
9110 NEXT S
9140 PRINT
9145 LET P=1
9150 RETURN
9200 REM PRINT CARD VALUE ROUTINE
9210 REM D(P)=CURRENT CARD
9220 LET S=INT(D(P)/13)
9230 LET C=D(P)-13*S+2
9240 IF C>10 THEN 9270
9250 IF C=10 THEN # " "; ELSE # " ";
9255 PRINT C;
9260 GOTO 9310
9270 IF C=11 THEN PRINT " JACK";
9280 IF C=12 THEN PRINT " QUEEN";
9290 IF C=13 THEN PRINT " KING";
9300 IF C=14 THEN PRINT " ACE";
9310 IF S=0 THEN PRINT " CLUBS"
9320 IF S=1 THEN PRINT " DIAMONDS"
9330 IF S=2 THEN PRINT " HEARTS"
9340 IF S=3 THEN PRINT " SPADES"
9350 RETURN
READY

```

READY  
RUN

ACEY-DUCEY IS A GAME OF CHANCE PLAYED WITH CARDS. YOU THE  
PLAYER ARE DEALT TWO CARDS FACE UP FROM A STANDARD 52 CARD DECK  
YOU MAY THEN BET ANY AMOUNT UP TO YOUR FULL STAKE ON WHETHER  
OR NOT YOU FEEL THAT THE NEXT CARD'S VALUE WILL BE BETWEEN  
THE VALUES OF THE FIRST TWO CARDS. IF IT IS YOU WIN AN  
AMOUNT EQUAL TO YOUR BET. ON THE OTHER HAND IF THE VALUE  
OF THE THIRD CARD IS EQUAL TO THE VALUE OF EITHER OF THE  
FIRST TWO CARDS OR IS LESS THAN THE LOWER VALUED CARD OR HIGH-  
ER THAN THE HIGHER VALUED CARD, YOU LOSE YOUR-BET!

IF YOU DO NOT WISH TO BET ON ANYTURN, YOU MAY BET 0

DO YOU WANT TO PLAY? Y

OKAY, BE PATIENT WHILE I SHUFFLE

SHUFFLINGDECK

YOU NOW HAVE 294 DOLLARS  
HERE ARE YOUR TWO CARDS  
4 DIAMONDS  
ACE SPADES

WHAT IS YOUR BET? 294  
HERE IS YOUR CARD 6 DIAMONDS  
YOU ARE A WINNER!

YOU NOW HAVE 588 DOLLARS  
HERE ARE YOUR TWO CARDS  
5 DIAMONDS  
5 SPADES

WHAT IS YOUR BET? 588  
HERE IS YOUR CARD QUEEN HEARTS  
SORRY! YOU LOSE.

YOU NOW HAVE 0 DOLLARS  
YOU ARE BROKE! WANT TO PLAY MORENO  
READY

READY  
LIST

```
10 REM $$$$ HORSE RACE $$$$ $$$$ BY HERMAN DEMONSTOY$$$$
20 REM **** ADAPTED BY JIM BULL JR. FOR MAXI BASIC, 1/26/77
30 REM :::: FROM KILOBAUD, FEB. ISSUE 1977
40 INPUT "DO YOU WANT INSTRUCTIONS? ", Y$
50# "NOTE: IF THE PROGRAM STALLS, HIT A KEY ON THE KEYBOARD."
60 GOSUB 1220
70 IF Y$(1,1)="N" THEN 210
80 IF Y$(1,1)<>"Y" THEN 40
90 FOR U2=1 TO 16:# "":NEXT U2
100# "IN THIS GAME THERE CAN BE FROM 2 TO 10 PLAYERS"
110# "THE TOTAL MONEY AVAILABLE TO EACH IS $200.00"
120# "YOU CAN HAVE UP TO 10 RACES IN A GAME."
130# "WHEN THERE IS ONLY ONE PLAYER WITH MONEY, THE GAME IS OVER."
140# "ANY BET BEYOND THE AMOUNT IN THE BANK WILL BE IGNORED."
150# "ONCE YOU HAVE LOST IT ALL, YOU ARE DONE FOR THAT GAME."
160 GOSUB 1220
170# "THERE ARE 5 HORSES WITH VARYING ODDS."
180# "GOOD LUCK AT THE RACES."
190# "
200 REM $$$$ SET UP BANK AND RACES $$$$
210 INPUT "HOW MANY PLAYERS? ", X
220 INPUT "HOW MANY RACES? ", Z
230 FOR J=1 TO X
240 C(J)=200
250 NEXT J
260 G=0
270 REM ??? CHECK FOR WINNERS ???
280 F=0
290# "
300 FOR J=1 TO X
310 IF C(J)=0 THEN 340
320 P=J
330 F=F+1
340 NEXT J
350 IF F<2 THEN 1040
360 REM $$$$ PLACE BETS $$$$
370 GOSUB 1130
380# " RACE # ";G+1
390# " TYPE IN YOUR BET IN $ ";CHR$(243)
400# " AND TYPE IN THE # OF THE HORSE."
410 FOR J=1 TO X
420 IF C(J)=0 THEN 450
430# "PLAYER #";J;:INPUT " BETS $ ",D(J):INPUT " ON HORSE #",E(J)
440# "
450 IF D(J)>C(J) THEN D(J)=C(J)
460 IF E(J)<1 THEN 510
470 IF E(J)>5 THEN 510
480 NEXT J
490# "
500# " AND THEY'RE OFF !!!!!":# " ":# " ":GOTO 530
510# " BET ON HORSES 1,2,3,4,OR 5!":GOTO 430
520 REM $!$!$!$ RUN THE RACE $!$!$!$
530 FOR J=1 TO 5
540 A(J)=0
550 B(J)=1
560 NEXT J
570 G=G+1
580# "HORSE 1 2 3 4 5"
```

```

592# "TIME.....DISTANCE....."
600 FOR I=1 TO 50
610 GOSUB 1220
620 #%2I;I*10;
630 FOR J=1 TO 5
640 A(J)=A(J)+INT(RND(1)*600)/100-J/4+16
650 #%6F1;A(J);
660 NEXT J
670#
680 REM $$$$ CHECK FOR END OF RACE $$$$
690 FOR L=1 TO 5
700 IF A(L)>=100 THEN 740
710 NEXT L
720 NEXT I
730 REM !!!! PRINT WINNER !!!!
740 FOR J=1 TO 5
750 FOR K=1 TO 5
760 IF A(J)>A(K) THEN B(K)=B(K)+1
770 NEXT K
780 NEXT J
790#
800 FOR J=1 TO 5
810 IF B(J)=1 THEN 830
820 NEXT J
830# "HORSE #";J;" IS THE WINNER!!!"
840 REM $$$$ COLLECT BETS $$$ PRINT RESULTS ####
850 FOR J=1 TO X
860 IF B(E(J))=1 THEN 920
870 IF B(E(J))<>1 THEN C(J)=C(J)-D(J)
880 # "PLAYER #";J;" $ ";C(J)
890 NEXT J
900 GOSUB 1220
910 GOTO 990
920 IF E(J)=1 THEN C(J)=C(J)+2*D(J)
930 IF E(J)=2 THEN C(J)=C(J)+3*D(J)
940 IF E(J)=3 THEN C(J)=C(J)+5*D(J)
950 IF E(J)=4 THEN C(J)=C(J)+10*D(J)
960 IF E(J)=5 THEN C(J)=C(J)+20*D(J)
970 GOTO 830
980 REM ???? CHECK FOR END OF GAME ????
990 IF G=Z THEN 1020
1000 GOTO 230
1010 IF G=Z THEN 1020
1020#Z;" RACES HAVE BEEN RUN.THE PLAY-ER WITH THE MOST MONEY WINS."
1030 GOTO 1080
1040 IF F=2 THEN 1070
1050# " PLAYER #";P;" IS THE WINNER"
1060 GOTO 1080
1070# " THERE IS NO WINNER!!"
1080 INPUT "WANT ANOTHER RACE? ",Y$
1090 IF Y$(1,1)="Y" THEN 210
1100 IF Y$(1,1)<>"N" THEN 1080
1110# "HOPE YOU HAD FUN AT THE RACES!!!"
1120 END
1130# " HORSE";TAB(23);" CDDS"
1140 FOR U1=1 TO 28:# "-" ;:NEXT U1
1150# ""
1160# " # 1";TAB(23);" 2-1"
1170# " # 2";TAB(23);" 3-1"
1180# " # 3";TAB(23);" 5-1"
1190# " # 4";TAB(23);" 10-1"

```

```
1200# " # 5";TAB(23);"20-1"  
1210 RETURN  
1220 FOR T9=1 TO 400:IF INP(0)=127 THEN 1230 ELSE EXIT 1240  
1230 T8=1+1:NEXT  
1240 RETURN  
READY
```

READY  
RUN

DO YOU WANT INSTRUCTIONS? YES  
NOTE: IF THE PROGRAM STALLS,

HIT A KEY ON THE KEYBOARD.

IN THIS GAME THERE CAN BE FROM 2 TO 10 PLAYERS  
THE TOTAL MONEY AVAILABLE TO EACH IS \$200.00  
YOU CAN HAVE UP TO 10 RACES IN A GAME.  
WHEN THERE IS ONLY ONE PLAYER WITH MONEY, THE GAME IS OVER.  
ANY BET BEYOND THE AMOUNT IN THE BANK WILL BE IGNORED.  
ONCE YOU HAVE LOST IT ALL, YOU ARE DONE FOR THAT GAME.  
THERE ARE 5 HORSES WITH VARYING ODDS.  
GOOD LUCK AT THE RACES.

HOW MANY PLAYERS? 2  
HOW MANY RACES? 2

HORSE	ODDS
# 1	2-1
# 2	3-1
# 3	5-1
# 4	10-1
# 5	20-1

RACE # 1  
TYPE IN YOUR BET IN \$'s  
AND TYPE IN THE # OF THE HORSE.  
PLAYER # 1 BETS \$100 ON HORSE #4  
PLAYER # 2 BETS \$200 ON HORSE #2

AND THEY'RE OFF !!!!!

HORSE	1	2	3	4	5
TIME.....					
DISTANCE.....					
10	15.8	17.2	17.7	18.4	15.6
20	36.1	35.8	34.9	38.1	33.0
30	56.6	56.3	53.4	54.9	51.0
40	73.4	75.7	71.7	75.5	68.6
50	91.5	93.0	92.0	95.5	84.1
60	107.7	109.9	113.2	115.6	103.7

HORSE # 4 IS THE WINNER!!!  
PLAYER # 1 \$ 1200  
PLAYER # 2 \$ 0

PLAYER # 1 IS THE WINNER  
WANT ANOTHER RACE? NO  
HOPE YOU HAD FUN AT THE RACES!!!  
READY

READY  
LIST

```
12 REM BLACKJACK FOR MAXI-BASIC
20 REM
30 DIMD(52),H(16),I(16),P(1,11),Q(11),S(16),X(16)
40FCRI=1TO15:#"":NEXT
50# BLACKJACK"
60 #"":#"":# "USE THESE CODES TO PLAY:"
70 # 1 - HIT"
80 # 0 - STAND"
90 #
100 # "A 0 BET ENDS THE GAME"
110 # "A NEGATIVE BET FORCES A SHUFFLE"
120 # "GOOD LUCK. LETS START."
130 # "MAXIMUM BET IS $500"
140 PRINT
150 PRINT
160 REM
170 R=1
180 N=1
190 E=N*52
200 GOSUB1110
210 GOSUB 1120
220 B=1
230 A=1
240 #
250 G=1
260 INPUT "BET PLEASE ",U
270 IF U>0THEN320
280 IFU=0THEN2780
290 B=1
300 GOSUB1120
310 GOTO260
320 IFU<=500THEN350
330# "SORRY, THE HOUSE LIMIT IS $500"
340 GOTO260
350 GOSUB1220
360 H(1)=U
370 N=Q(2)
380 # "MY UP CARD:";
390 GOSUB1630
400 N=P(1,1)
410 # "YOUR FIRST CARD:";
420 GOSUB1630
430 N=P(R,2)
440 # "YOUR SECOND CARD:";
450 GOSUB1630
460 GOSUB1970
470 IF M<>11THEN490
480 REM
490 IFW<>21THEN580
500 # "I HAVE BLACKJACK, ";
510 IFX(1)<>21THEN550
520 # "SO DO YCU, WE PUSH"
530 GOSUB2690
540 GOTO240
550 # "YOU LOSE"
560 V=V-U
570 GOTO530
580 IFX(1)<>21TREN620
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590 # "YOU HAVE BLACKJACK, YOU WIN"
600 V=V+3*U/2
610 GOTO530
620 # "PLAY ";
630 IF R=1THEN650
640 # "YOUR HAND ";G;" ";
650 INPUT F
660 IF F>-1THEN690
670 # "ONLY 0-4 IS VALID. REENTER."
680 GOTO650
690 IF F>3THEN670
700 IFF<>1THEN1010
710 IFA<ETHEN730
720 GOSUB2070
730 M=S(G)
740 M=M+1
750 S(G)=M
760 N=D(A)
770 P(1,M)=N
780 # "YOUR CARD IS: ";
790 GOSUB1630
800 GOSUB1530
810 A=A+1
820 IFN<>11THEN840
830 O(G)=O(G)+1
840 X(G)=X(G)+N
850 IF X(G)<22THEN620
860 IF O(G)=0THEN900
870 O(G)=O(G)-1
880 X(G)=X(G)-10
890 GOTO850
900 # "YOU BUSTED WITH ";X(G)
910 X(G)=0
920 Y=Y-1
930 IF G<RTHEN960
940 GOSUB2210
950 GOTO240
960 G=G+1
970 N=P(G,1)
980 # "YOUR FIRST CARD FOR HAND ";G;" WAS";
990 GOSUB1630
1000 GOTO620
1010 IF F<>0THEN1070
1020 IF X(G)<22THEN930
1030 IFO(G)=0THEN900
1040 X(G)=X(G)-10
1050 C(G)=O(G)-1
1060 G=G+1
1070 IF F<>2THEN1510
1080 IFS(G)=2THEN1340
1090 REM
1100 GOTO620
1110 FORI=1TON:J=(I-1)*52:FORK=1TO52:D(K+J)=K:NEXTK:NEXTI:RETURN
1120 # "SHUFFLING, DRINKS ANYONE?"
1130 FORI=BTOE
1140 C=RDND(1)*E
1150 IFC<BTHEN1140
1160 L=D(I)
1170 D(I)=D(C)
1180 D(C)=L
1190 NEXTI

```

```

1200 A=B
1210 RETURN
1220 FORI=1TO11
1230 Q(I)=2
1240 FORJ=1TOR
1250 P(1,I)=0
1260 NEXT:NEXT
1270 R=1:Y=1
1280 IF A+4<=ETHEN1310
1290 B=1
1300 GOSUB1120
1310 # "DEALING"
1320 P(R,1)=D(A)
1330 Q(1)=D(A+1)
1340 P(R,2)=D(A+2)
1350 Q(2)=D(A+3)
1360 A=A+4
1370 T=2
1380 S(1)=2
1390 GOSUB1430
1400 M=N
1410 RETURN
1420 REM
1430 Z=0
1440 W=0
1450 FORI=1TO2
1460 N=C(I)
1470 GOSUB1530
1480 IFN<>11THEN1500
1490 Z=Z+1
1500 W=W+N
1510 NEXTI
1520 RETURN
1530 IFN<14THEN1560
1540 N=N-13
1550 GOTO1530
1560 IFN<>1THEN1590
1570 N=11
1580 RETURN
1590 IFN<11THEN1610
1600 N=12
1610 RETURN
1620 REM - PRINT A CARD
1630 I=0
1640 IFN<14THEN1680
1650 N=N-13
1660 I=I+1
1670 GOTO1640
1680 IFN<>1THEN1710
1690 # TAB(17); "ACE";
1700 GOTO1840
1710 IFN>9THEN1740
1720 # TAB(18);N;
1730 GOTO1840
1740 IFN>10THEN1770
1750 # TAB(17);N;
1760 GOTO1840
1770 IFN>11THEN1800
1780 #TAB(16);"JACK";
1790 GOTO1840
1800 IFN>12THEN1830

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1810 #TAB(16);"QUEEN";
1820 GOTO1840
1830 #TAB(16);"KING";
1840 # " OF ";
1850 IFI<>0THEN1880
1860 # " SPADES "
1870 RETURN
1880 IFI<>1THEN1910
1890 # " HEARTS "
1900 RETURN
1910 IFI<>2THEN1940
1920 # " DIAMOND "
1930 RETURN
1940 # " CLUBS "
1950 RETURN
1960 REM - COMPUTE PLAYERS HAND
1970 O(G)=0
1980 X(G)=0
1990 FORI=1TO2
2000 N=P(1,I)
2010 GOSUB1530
2020 X(G)=X(G)+N
2030 IF N<>11THEN2050
2040 O(G)=O(G)+1
2050 NEXTI
2060 RETURN
2070 K=T
2080 FORI=1TOR
2090 K=K+S(I)
2100 NEXT
2110 FORI=1TOK
2120 A=A-1
2130 J=D(I)
2140 L(I)=D(A)
2150 D(A)=J
2160 NEXT
2170 B=K+1
2180 GOSUB1130
2190 RETURN
2200 REM - DEALERS LOGIC
2210 N=Q(1)
2220 # " MY HOLE CARD "
2230 GOSUB1630
2240 IFY=0THEN2500
2250 IF W<17 THEN 2300
2260 IFW>17THEN2430
2270 IFZ=0THEN2490
2280 W=W-10
2290 Z=Z-1
2300 IFA<=FTHEN2320
2310 GOSUB2070
2320 N=D(A)
2330 T=T+1
2340 A=A+1
2350 Q(T)=N
2360 # " I DRAW THE ";
2370 GOSUB1630
2380 GOSUB1530
2390 IFN<>11THEN2410
2400 Z=Z+1
2410 W=W+N

```

```

2420 GOTO2252
2430 IFW<22THEN2490
2440 IFZ=0THEN2480
2450 Z=Z-1
2460 W=W-10
2470 GOTO2252
2480 # "I BUSTED ";
2490 # "MY TOTAL IS ";W
2500 FCRI=1TCR
2510 # "YOU ";
2520 IF X(I)<>0THEN2552
2530 PRINT "LOST ";
2540 V=V-H(I):GOTO2632
2550 IFW<22THEN2582
2560 # "WCN ";
2570 V=V+H(I):GOTO2632
2580 IFW<>X(I)THEN2612
2590 # "PUSHED CN ";
2600 GOTO2632
2610 IFW<X(I)THEN2562
2620 GOTO2532
2630 IFR<>1THEN2662
2640 PRINT "THE HAND"
2650 GOTO2672
2660 # "HAND ";I
2670NEXTI
2680 #
2690 # "YOU'RE ";
2700 IF V<>0THEN2732
2710 # "EVEN"
2720 RETURN
2730 IFV>0THEN2762
2740 # "BEHIND $";V:RETURN
2750 RETURN
2760 # "AHEAD $";V:RETURN
2770 RETURN
2780 # "HERE'S YOUR FINAL STANDING:"
2790 GOSUB 2690:END
READY

```

READY  
RUN

BLACKJACK

USE THESE CODES TO PLAY:

1 - HIT  
0 - STAND

A 0 BET ENDS THE GAME  
A NEGATIVE BET FORCES A SHUFFLE  
GOOD LUCK. LETS START.  
MAXIMUM BET IS \$500

SHUFFLING, DRINKS ANYONE?

BET PLEASE 100

DEALING

MY UP CARD: 8 OF HEARTS  
YOUR FIRST CARD: 3 OF HEARTS  
YOUR SECOND CARD: 7 OF HEARTS  
PLAY ?1  
YOUR CARD IS: JACK OF CLUBS  
PLAY ?0  
MY HOLE CARD

6 OF SPADES  
5 OF CLUBS

I DRAW THE  
MY TOTAL IS 19  
YOU WON THE HAND

YOU'RE AHEAD \$ 100

BET PLEASE 100

DEALING

MY UP CARD: QUEEN OF HEARTS  
YOUR FIRST CARD: 6 OF CLUBS  
YOUR SECOND CARD: 4 OF SPADES  
I HAVE BLACKJACK, YOU LOSE  
YOU'RE EVEN

BET PLEASE 100

DEALING

MY UP CARD: 2 OF SPADES  
YOUR FIRST CARD: ACE OF CLUBS