

```

100 REM
110 REM *****
120 REM *      *
130 REM * JOUST *
140 REM *      *
150 REM *****
160 REM
170 REM THE AMSTRAD USER, JULY 1990
180 REM
190 REM
200 REM
210 REM
220 REM A 2 player game for CPC's. Instructions includ
ed in program.
230 REM This program will produce 2 files:
240 REM      J.BAS      - a loader.
250 REM      JOUST.BIN  - The machine code.
260 REM
270 MODE 1:INK 0,0:INK 1,26:INK 2,6:INK 3,24:BORDER 0:P
EN 1:PAPER 0:MEMORY &7FFF
280 PRINT TAB(10);"**** JOUST ****"

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290 PEN 2:PRINT:PRINT"POKING DATA (1000 - 2230)....."
300 a=&8000
310 PEN 3:FOR L=1000 TO 2230 STEP 10:LOCATE 31,3:PRINT
L
320 c=0:FOR x=0 TO 19:READ a$:b=VAL("&" + a$):c=c+b:POKE
a+x,b:NEXT
330 READ a$:b=VAL("&" + a$):IF b(>)c THEN PEN 2:PRINT"ERRO
R IN LINE ";L:END
340 a=a+20:NEXT
350 PRINT:PRINT".....COMPLETED":PRINT:PRINT"INSERT FORM
ATTED DISC\TAPE AND PRESS [S]TO SAVE DATA..."
360 IF UPPER$(INKEY$)="S" THEN 370 ELSE 360
370 PEN 2:PRINT:PRINT"SAVING LOADER - J.BAS"
380 OPENOUT"J.BAS"
390 PRINT#9,"10 INK 0,0:INK 1,24,13:INK 2,21:BORDER 0:M
ODE 1"
400 PRINT#9,"20 ON BREAK GOSUB 50"
410 PRINT#9,"30 IF PEEK(&8000)<>&CD AND PEEK(&8001)<>&1
7 AND PEEK(&8002)<>&82 THEN GOSUB 70"
420 PRINT#9,"40 CALL &8000"
430 PRINT#9,"50 PEN 1:CLS:PRINT ";CHR$(34);"Thanks for
playing.";CHR$(34);":LOCATE 1,13:INK 3,15,0:PEN 2:PRINT
";CHR$(34);"Type ";CHR$(34);":PEN 3:PRINT ";CHR$(34)
";"RUN";CHR$(34);":PEN 2:PRINT ";CHR$(34);" to play ag
ain.";CHR$(34)
440 PRINT#9,"60 LOCATE 1,20:PEN 1:END"
450 PRINT#9,"70 PEN 1:LOCATE 18,12:PRINT ";CHR$(34);"JO
UST";CHR$(34)
460 PRINT#9,"80 LOCATE 13,15:PEN 2:PRINT ";CHR$(34);"is
now loading.";CHR$(34)
470 PRINT#9,"90 MEMORY &7FFF:LOAD ";CHR$(34);"!JOUST";C
HR$(34);",&8000:RETURN"
480 CLOSEOUT
490 PRINT:PRINT"SAVING DATA - JOUST.BIN":SAVE"JOUST
",B,&8000,&A00,&8000
500 PEN 1:PRINT:PRINT"TO RUN JOUST TYPE ";PEN 3:PRINT"
RUN"CHR$(34)"J"CHR$(34):PEN 1:PRINT"AND PRESS [ENTER]."
510 END

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1000 DATA CD,0D,82,ED,5B,8E,83,2A,C0,83,CD,F0,BB,FE,00,
CA,1A,80,3A,EF,B55
1010 DATA 85,C6,01,32,EF,85,3E,01,CD,DE,BB,ED,5B,8E,83,
2A,C0,83,CD,EA,B44
1020 DATA BB,ED,5B,C6,83,2A,C8,83,CD,F0,BB,FE,00,CA,40,
80,3A,EF,85,C6,C35
1030 DATA 02,32,EF,85,3E,02,CD,DE,BB,ED,5B,C6,83,2A,C8,
83,CD,EA,BB,3A,B00
1040 DATA EF,85,FE,00,C2,3D,81,CD,63,80,CD,D0,80,CD,03,
82,C3,03,80,3E,A95
1050 DATA 43,CD,1E,BB,28,0F,01,02,00,ED,43,C4,83,0B,0B,
ED,43,C2,83,18,73D
1060 DATA 40,3E,45,CD,1E,BB,28,0F,01,FE,FF,ED,43,C4,83,
03,03,ED,43,C2,90D
1070 DATA 83,18,2A,3E,3F,CD,1E,BB,28,0F,01,FE,FF,ED,43,
C2,83,03,03,ED,885
1080 DATA 43,C4,83,18,14,3E,3E,CD,1E,BB,28,0D,01,02,00,
ED,43,C2,83,0B,690
1090 DATA 0B,ED,43,C4,83,2A,8E,83,ED,4B,C2,83,09,22,8E,
83,2A,C0,83,ED,A30
1100 DATA 4B,C4,83,09,22,C0,83,C9,3E,03,CD,1E,BB,28,0F,
01,02,00,ED,43,71A
1110 DATA CA,83,0B,0B,ED,43,CC,83,18,40,3E,04,CD,1E,BB,
28,0F,01,FE,FF,857
1120 DATA ED,43,CA,83,03,03,ED,43,CC,83,18,2A,3E,0F,CD,
1E,BB,28,0F,01,76F
1130 DATA FE,FF,ED,43,CC,83,03,03,ED,43,CA,83,18,14,3E,
07,CD,1E,BB,28,93E
1140 DATA 0D,01,02,00,ED,43,CC,83,0B,0B,ED,43,CA,83,2A,
C6,83,ED,4B,CC,899
1150 DATA 83,09,22,C6,83,2A,C8,83,ED,4B,CA,83,09,22,C8,
83,C9,21,F2,85,9C8
1160 DATA CD,AA,BC,DD,21,82,86,3A,EF,85,FE,01,28,1B,FE,
02,28,39,CD,C5,A1C
1170 DATA 81,21,D8,85,CD,F9,81,21,AA,86,CD,AA,BC,21,B3,
86,CD,AA,BC,18,B6F
1180 DATA 42,CD,C5,81,21,C6,85,CD,F9,81,21,E1,83,CD,D1,
81,21,01,23,CD,ABE
1190 DATA 75,BB,3E,02,CD,90,BB,21,DD,83,CD,F9,81,18,20,
CD,C5,81,21,B5,A71
1200 DATA 85,CD,F9,81,21,DB,83,CD,D1,81,21,01,02,CD,75,
BB,3E,01,CD,90,AZ7
1210 DATA BB,21,D7,83,CD,F9,81,CD,02,86,21,17,08,CD,75,
BB,3E,03,CD,90,9AD
1220 DATA BB,21,79,85,CD,F9,81,CD,A8,82,C3,03,80,3E,03,
CD,90,BB,21,01,9D9
1230 DATA 0C,CD,75,BB,C9,7E,3C,FE,3A,28,02,77,C9,36,30,
2B,1B,F3,4A,4F,863
1240 DATA 55,53,54,24,42,79,20,47,65,6F,66,66,20,43,61,
6D,70,24,A4,20,66B
1250 DATA 31,39,38,38,24,7E,FE,24,C8,CD,5A,BB,23,18,F6,
ED,4B,F0,85,0B,931
1260 DATA 78,B1,C8,18,FA,CD,00,BB,CD,4E,BB,CD,BA,BB,CD,
FF,BB,01,00,00,B2B
1270 DATA CD,38,BC,3E,00,01,00,00,CD,32,BC,3E,01,01,0F,

0F,CD,32,BC,3E,612
1280 DATA 02,01,0B,0B,CD,32,BC,3E,03,01,07,07,CD,32,BC,
3E,01,CD,0E,BC,5B5
1290 DATA 3E,00,CD,96,BB,3E,01,CD,90,BB,26,12,2E,08,CD,
75,BB,21,DE,81,89E
1300 DATA CD,F9,81,3E,02,CD,90,BB,26,0E,2E,0C,CD,75,BB,
21,E4,81,CD,F9,A56
1310 DATA 81,3E,03,CD,90,BB,26,11,2E,0E,CD,75,BB,21,F2,
81,CD,F9,81,3E,963
1320 DATA 01,21,FB,85,CD,BC,BC,3E,03,21,D8,86,CD,BC,BC,
3E,06,21,BC,86,993
1330 DATA CD,BC,BC,3E,03,CD,90,BB,21,16,08,CD,75,BB,21,
79,85,CD,F9,81,A40
1340 DATA CD,CE,83,FE,FC,20,02,E1,C9,FE,49,28,04,FE,69,
20,35,3E,01,CD,A1F
1350 DATA 0E,BC,21,4B,87,CD,F9,81,CD,CE,83,FE,20,20,F9,
3E,01,CD,0E,BC,A2F
1360 DATA 21,E3,83,CD,F9,81,11,D7,83,21,EA,85,01,05,00,
ED,B0,11,DD,83,9DD
1370 DATA 21,EA,85,01,05,00,ED,B0,18,BA,FE,31,28,19,FE,
81,28,15,FE,32,861
1380 DATA 28,16,FE,82,28,12,FE,33,28,04,FE,83,20,A2,21,
00,05,18,08,21,5FF
1390 DATA 01,00,18,03,21,00,03,22,F0,85,3E,01,CD,0E,BC,
3E,03,CD,DE,BB,654
1400 DATA 11,00,00,21,00,00,CD,EA,BB,11,7F,02,21,00,00,
CD,F6,BB,11,7F,665
1410 DATA 02,21,7F,01,CD,F6,BB,11,00,00,21,7F,01,CD,F6,
BB,11,00,00,21,683
1420 DATA 00,00,CD,F6,BB,3E,03,CD,90,BB,21,01,12,CD,75,
BB,21,DE,81,CD,955
1430 DATA F9,81,3E,01,CD,90,BB,21,01,02,CD,75,BB,21,D7,
83,CD,F9,81,3E,9F2
1440 DATA 02,CD,90,BB,21,01,23,CD,75,BB,21,DD,83,CD,F9,
81,01,02,00,ED,914
1450 DATA 43,8E,83,01,C7,00,ED,43,C0,83,01,02,00,ED,43,
C2,83,01,00,00,738
1460 DATA ED,43,C4,83,01,7D,02,ED,43,C6,83,01,C7,00,ED,
43,C8,83,01,FE,9B2
1470 DATA FF,ED,43,CC,83,01,00,00,ED,43,CA,83,3E,00,32,
EF,85,C9,00,00,8A9
1480 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,CD,
1B,BB,38,FB,CD,3A3
1490 DATA 18,BB,C9,30,30,30,30,30,24,30,30,30,30,24,
0F,03,20,20,20,436
1500 DATA 20,20,20,20,20,20,20,20,20,20,20,20,49,4E,53,54,
52,55,43,54,49,425
1510 DATA 4F,4E,53,0A,0D,20,20,20,20,20,20,20,20,20,
20,20,20,20,2D,2F4
1520 DATA 2D,2D,2D,2D,2D,2D,2D,2D,2D,2D,0A,0D,0A,0A,
0A,0F,01,20,20,274
1530 DATA 20,20,20,20,50,4C,41,59,45,52,20,5B,31,5D,20,
20,20,20,20,416
1540 DATA 20,20,0F,02,50,4C,41,59,45,52,20,5B,32,5D,0D,
0A,0A,0A,0F,03,365

1550 DATA 55,50,20,20,20,20,20,20,0F,01,5B,51,5D,20,
20,20,20,20,20,35E
1560 DATA 20,20,20,20,20,20,20,20,0F,02,5B,39,5D,0D,
0A,0A,0F,03,44,299
1570 DATA 4F,57,4E,20,20,20,20,20,0F,01,5B,41,5D,20,20,
20,20,20,20,20,37D
1580 DATA 20,20,20,20,20,20,20,20,0F,02,5B,36,5D,0D,0A,
0A,0F,03,4C,45,2C3
1590 DATA 46,54,20,20,20,20,20,20,0F,01,5B,58,5D,20,20,20,
20,20,20,20,20,35A
1600 DATA 20,20,20,20,20,20,20,20,0F,02,5B,30,5D,0D,0A,0A,
0F,03,52,49,47,2EE
1610 DATA 48,54,20,20,20,20,20,20,0F,01,5B,43,5D,20,20,20,20,
20,20,20,20,20,347
1620 DATA 20,20,20,20,20,20,20,20,0F,02,5B,2E,5D,0D,0A,0A,20,
20,20,20,20,20,298
1630 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,
20,20,20,20,20,6E,75,32B
1640 DATA 6D,65,72,69,63,20,70,61,64,29,0A,0D,0A,0A,0A,
0A,0F,03,53,65,497
1650 DATA 6C,65,63,74,20,5B,49,5D,6E,73,74,72,75,63,74,
69,6F,6E,73,20,785
1660 DATA 74,6F,20,7A,65,72,6F,20,73,63,6F,72,65,73,0A,
0D,20,20,20,20,20,609
1670 DATA 20,20,20,20,5B,45,53,43,5D,20,74,6F,20,72,65,74,
75,72,6E,20,74,64A
1680 DATA 6F,20,62,61,73,69,63,0D,0A,0A,20,20,20,20,53,
65,6C,65,63,74,592
1690 DATA 20,73,70,65,65,64,20,5B,31,2D,33,5D,20,74,6F,
20,70,6C,61,79,673
1700 DATA 24,50,72,65,73,73,20,5B,49,5D,20,66,6F,72,20,
49,6E,73,74,72,6E9
1710 DATA 75,63,74,69,6F,6E,73,0A,0D,09,09,09,09,09,09,
09,09,09,6F,72,44E
1720 DATA 20,73,70,65,65,64,20,5B,31,2D,33,5D,20,74,6F,
20,70,6C,61,79,673
1730 DATA 24,4C,45,46,54,20,50,4C,41,59,45,52,20,57,49,
4E,53,24,52,49,55C
1740 DATA 47,48,54,20,50,4C,41,59,45,52,20,57,49,4E,53,
24,54,48,49,53,58D
1750 DATA 20,52,4F,55,4E,44,20,41,20,44,52,41,57,24,30,
30,30,30,30,00,46B
1760 DATA 00,00,04,01,00,00,00,0F,0F,00,00,02,01,00,23,
0E,FF,07,06,0A,16D
1770 DATA C5,CD,49,86,21,08,00,CD,05,BC,01,18,18,CD,38,
BC,3E,00,01,18,661
1780 DATA 18,CD,32,BC,01,00,08,CD,07,82,01,00,00,CD,38,
BC,3E,00,01,00,533
1790 DATA 00,CD,32,BC,21,00,00,CD,05,BC,01,00,08,CD,07,
82,C1,10,C5,3A,699
1800 DATA EF,85,FE,03,C8,CD,C3,86,C9,3E,03,CD,DE,BB,3A,
EF,85,FE,01,28,B98
1810 DATA 05,FE,02,28,0A,C9,ED,5B,BE,83,2A,C0,83,18,07,
ED,5B,C6,83,2A,80D
1820 DATA C8,83,CD,EA,BB,DD,56,00,DD,5E,01,DD,66,02,DD,

6E,03,CD,F9,BB,B40
1830 DATA 01,04,00,DD,09,C9,FF,F6,00,03,FF,F6,00,0F,FF,
F2,00,1A,00,08,7C3
1840 DATA 00,0A,00,0F,00,06,00,0A,00,02,00,0A,FF,FF,00,
02,FF,F5,FF,F4,61C
1850 DATA FF,EC,FF,FF,FF,FE,01,06,00,64,00,00,0E,00,00,
02,06,00,62,00,6C9
1860 DATA 00,0E,00,00,02,01,01,0A,0F,FF,0C,21,DF,86,06,
0C,C5,E5,CD,AA,5EF
1870 DATA BC,30,FB,11,09,00,E1,19,C1,10,F1,C9,02,05,FF,
01,64,00,64,07,75C
1880 DATA 03,00,77,00,00,0F,14,00,07,03,00,77,00,00,0F,
0A,00,07,03,00,141
1890 DATA 77,00,00,0F,0A,00,07,03,00,77,00,00,0F,14,00,
07,03,00,5F,00,19D
1900 DATA 00,0F,14,00,07,03,00,5F,00,00,0F,0A,00,07,03,
00,5F,00,00,0F,11D
1910 DATA 0A,00,07,03,00,5F,00,00,0F,14,00,07,03,00,50,
00,00,0F,14,00,113
1920 DATA 07,03,00,50,00,00,0F,14,00,07,03,00,50,00,00,
0F,14,00,07,03,104
1930 DATA 00,3C,00,00,0F,3C,00,0F,01,20,20,20,20,20,20,
20,20,20,20,20,1F7
1940 DATA 20,20,49,4E,53,54,52,55,43,54,49,4F,4E,53,0A,
0D,20,20,20,20,48C
1950 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,
20,20,20,20,20,30F
1960 DATA 2D,0A,0D,0A,0F,02,47,75,69,64,65,20,79,6F,75,
72,20,6B,6E,69,59E
1970 DATA 67,68,74,20,61,72,6F,75,6E,64,20,74,68,65,20,
6A,6F,75,73,74,7A2
1980 DATA 69,6E,67,20,20,20,61,72,65,6E,61,2E,0A,0D,0A,
59,6F,75,20,77,5C8
1990 DATA 69,6C,6C,20,6C,6F,73,65,20,61,20,72,6F,75,6E,
64,20,69,66,20,6EC
2000 DATA 79,6F,75,20,72,75,6E,20,69,6E,74,6F,3A,0A,0D,
20,20,20,20,20,59D
2010 DATA 20,54,68,65,20,61,72,65,6E,61,27,73,20,65,64,
67,65,2E,0A,0D,5FC
2020 DATA 20,20,20,20,20,20,59,6F,75,72,20,74,72,61,69,
6C,2E,0D,0A,20,510
2030 DATA 20,20,20,20,20,59,6F,75,72,20,6F,70,70,6F,73,
69,74,69,6F,6E,6C3
2040 DATA 27,73,20,74,72,61,69,6C,2E,0A,0D,0A,55,73,65,
20,61,6C,6C,20,5CB
2050 DATA 74,68,65,20,6C,6F,67,69,63,20,61,6E,64,20,74,
72,69,63,6B,65,764
2060 DATA 72,79,20,79,6F,75,20,63,61,6E,0D,0A,6D,75,73,
74,65,72,20,74,705
2070 DATA 6F,20,66,6F,72,63,65,20,79,6F,75,72,20,6F,70,
70,6F,73,69,74,7BB
2080 DATA 69,6F,6E,20,69,6E,74,6F,0A,0D,61,20,63,6F,72,
6E,65,72,20,74,6D5
2090 DATA 68,61,74,20,68,65,20,63,61,6E,27,74,20,65,73,
63,61,70,65,20,6C8

2100 DATA 66,72,6F,6D,2E,0A,0D,0A,59,6F,75,72,20,73,63,
6F,72,65,20,69,677
2110 DATA 6E,63,72,65,61,73,65,73,20,62,79,20,6F,6E,65,
20,66,6F,72,20,738
2120 DATA 65,61,63,68,0A,0D,72,6F,75,6E,64,20,77,6F,6E,
2E,20,54,68,65,6B3
2130 DATA 72,65,20,69,73,20,6E,6F,20,77,69,6E,6E,69,6E,
67,20,73,63,6F,74F
2140 DATA 72,65,21,0A,0D,59,6F,75,20,64,65,63,69,64,65,
20,77,68,65,6E,69C
2150 DATA 20,61,20,70,6C,61,79,65,72,20,68,61,73,20,73,
63,6F,72,65,64,72A
2160 DATA 0A,0D,65,6E,6F,75,67,68,20,74,6F,20,62,65,20,
64,65,63,6C,61,6A0

2170 DATA 72,65,64,20,74,68,65,20,77,69,6E,6E,65,72,2E,
0A,0D,0A,53,63,654
2180 DATA 6F,72,65,73,20,63,61,6E,20,62,65,20,7A,65,72,
6F,65,64,20,62,71D
2190 DATA 79,20,73,65,6C,65,63,74,69,6E,67,20,74,68,65,
73,65,0A,0D,69,710
2200 DATA 6E,73,74,72,75,63,74,69,6F,6E,73,20,62,65,74,
77,65,65,6E,20,7F6
2210 DATA 72,6F,75,6E,64,73,2E,0A,0D,0A,0F,03,20,20,20,
20,20,20,20,20,3FC
2220 DATA 20,50,72,65,73,73,20,5B,53,50,41,43,45,5D,20,
66,6F,72,20,6D,665
2230 DATA 6F,72,65,2E,24,00,00,00,00,00,00,00,00,00,
00,00,00,00,00,198