

```

5   GOSUB 6000:MODE 1
10  PRINT TAB(9):"LA ARMADA CONTRATACA"
15  PRINT TAB(8):"*****"
20  PRINT:PRINT
25  PRINT "      NUMERO DE BARCOS EXISTENTES":PRINT:PRINT:PRINT
30  PRINT "      1 BARCO DE 4":PRINT
35  PRINT "      2 BARCOS DE 3":PRINT
40  PRINT "      3 BARCOS DE 2":PRINT
45  PRINT "      4 BARCOS DE 1":PRINT:PRINT:PRINT:PRINT:PRINT
50  PRINT "      PULSA CUALQUIER TECLA PARA SEGUIR"
55  a$=INKEY$:IF a$="" THEN 55
60  MODE 2
62  SYMBOL AFTER 255:SYMBOL 255,0,0,0,0,0,0,126,0
65  DIM barcos$(10,10),pantalla$(10,10),aux$(4),cuatro$(4),tres$(2,3),dos$(3,2)
,uno$(4,1),tres%(2),dos%(3),uno%(4),pasar%(10)
67  DIM mar$(10,10),uno1$(4,1),dos1$(3,2),tres1$(2,3),cuatro1$(1,4):long%=0:uno
1%=0:dos1%=0:tres1%=0:cuatro1%=0
70  intento%=0:cuatro%=0
75  GOSUB 200:REM inicializacion
85  GOSUB 300:REM colocar barquitos
90  situ%=14:GOSUB 1000:REM imprimir pantalla
95  GOSUB 2000:REM inicializar
100 GOSUB 2050:REM colocar mis barquitos
105 GOSUB 4000:REM jugar la partida
110 CLS:END
200 FOR fila%=1 TO 10
205 FOR columna%=1 TO 10
210 barcos$(fila%,columna%)="":pantalla$(fila%,columna%)=""
215 NEXT columna%
217 pasar%(fila%)=-1
220 NEXT fila%
225 FOR fila%=1 TO 2
235 tres%(fila%)=0
240 NEXT fila%
245 FOR fila%=1 TO 3
255 dos%(fila%)=0
260 NEXT fila%

```

```
265 FOR fila%=1 TO 4
270 uno%(fila%)=0
275 NEXT fila%
280 RETURN
300 pre$="0012ESPERA UN MOMENTO":GOSUB 3050:tam%=4
305 GOSUB 500
310 FOR k%=1 TO 4
315 cuatro$(k%)=aux$(k%)
320 NEXT k%
325 GOSUB 780
330 tam%=3
335 FOR k%=1 TO 2
340 GOSUB 500
345 FOR l%=1 TO 3
350 tres$(k%,l%)=aux$(l%)
355 NEXT l%
360 GOSUB 780
365 NEXT k%
370 tam%=2
375 FOR k%=1 TO 3
380 GOSUB 500
385 FOR l%=1 TO 2
390 dos$(k%,l%)=aux$(l%)
395 NEXT l%
400 GOSUB 780
405 NEXT k%
410 tam%=1
415 FOR k%=1 TO 4
420 GOSUB 500
430 uno$(k%,1)=aux$(1)
440 GOSUB 780
445 NEXT k%
447 CLS
450 RETURN
500 contador%=0
505 RANDOMIZE TIME
510 fila%=1+INT(RND*10)
```

```

515 columna%=1+INT(RND*10)
520 IF barcos$(fila%,columna%)="" THEN barcos$(fila%,columna%)="1":contador%=cont
ntador%+1:aux$(contador%)=STR$(fila% -1)+STR$(column
a% -1):ELSE GOTO 500
525 GOSUB 700
530 IF izq% OR der% THEN aux%=columna%:ELSE aux%=fila%
540 WHILE contador%<tam%
545 IF izq% OR der% THEN 550:ELSE GOTO 570
550 aux%=aux%+despl%
555 IF aux%<=0 OR aux%>=11 THEN GOSUB 740:IF fallo% THEN GOSUB 900:GOTO 500:ELS
E GOTO 585
560 IF barcos$(fila%,aux%)="" THEN barcos$(fila%,aux%)="1":contador%=contador%+
1:aux$(contador%)=STR$(fila% -1)+STR$(aux% -1):ELSE
GOSUB 900:GOTO 500
565 GOTO 585
570 aux%=aux%+despl%
575 IF aux%<=0 OR aux%>=11 THEN GOSUB 760:IF fallo% THEN GOSUB 900:GOTO 500:ELS
E GOTO 585
580 IF barcos$(aux%,columna%)="" THEN barcos$(aux%,columna%)="1":contador%=cont
ntador%+1:aux$(contador%)=STR$(aux% -1)+STR$(columna%
-1):ELSE GOSUB 900:GOTO 500
585 WEND
590 RETURN
700 arriba%=0:abajo%=0:izq%=0:der%=0
705 azar%=1+INT(RND*12)
710 IF azar%<4 THEN izq%=-1:despl%=-1
715 IF azar%>3 AND azar%<7 THEN der%=-1:despl%=1
720 IF azar%>6 AND azar%<10 THEN arriba%=-1:despl%=-1
725 IF azar%>9 AND azar%<13 THEN abajo%=-1:despl%=1
730 RETURN
740 fallo%=0:columna%=columna%-despl%
745 IF barcos$(fila%,columna%)="" THEN barcos$(fila%,columna%)="1":contador%=co
ntador%+1:aux$(contador%)=STR$(fila% -1)+STR$(column
a% -1):ELSE fallo%=-1
755 RETURN
760 fallo%=0:fila%=fila%-despl%
765 IF barcos$(fila%,columna%)="" THEN barcos$(fila%,columna%)="1":contador%=co
ntador%+1:aux$(contador%)=STR$(fila% -1)+STR$(column
a% -1):ELSE fallo%=-1
775 RETURN
780 FOR i%=1 TO tam%
785 fi%=VAL(MID$(aux$(i%),1,2))+1:co%=VAL(MID$(aux$(i%),3,2))+1
800 aux%=co%-1:aux1%=fi%-1:IF aux%>0 AND aux1%>0 THEN IF barcos$(aux1%,aux%)=""
THEN barcos$(aux1%,aux%)="."
805 aux%=co%+1:aux1%=fi%+1:IF aux1%<11 AND aux%<11 THEN IF barcos$(aux1%,aux%)=
"" THEN barcos$(aux1%,aux%)="."
810 aux1%=fi%-1:aux%=co%+1:IF aux1%>0 AND aux%<11 THEN IF barcos$(aux1%,aux%)="
" THEN barcos$(aux1%,aux%)="."
815 aux1%=fi%+1:aux%=co%-1:IF aux1%<11 AND aux%>0 THEN IF barcos$(aux1%,aux%)="
" THEN barcos$(aux1%,aux%)="."
820 aux%=co%-1:IF aux%>0 THEN IF barcos$(fi%,aux%)="" THEN barcos$(fi%,aux%)="."
825 aux%=co%+1:IF aux%<11 THEN IF barcos$(fi%,aux%)="" THEN barcos$(fi%,aux%)="."
830 aux%=fi%-1:IF aux%>0 THEN IF barcos$(aux%,co%)="" THEN barcos$(aux%,co%)="."
835 aux%=fi%+1:IF aux%<11 THEN IF barcos$(aux%,co%)="" THEN barcos$(aux%,co%)="."
840 NEXT i%
845 RETURN
900 FOR i%=1 TO contador%
905 fila%=VAL(MID$(aux$(i%),1,2))+1:columna%=VAL(MID$(aux$(i%),3,2))+1
920 barcos$(fila%,columna%)=""
925 NEXT i%
930 RETURN
1000 LOCATE situ%,1
1005 PRINT "1 2 3 4 5 6 7 8 9 0"
1010 MOVE (situ%-4)*8,367
1015 DRAW (situ%+18)*8+3,367
1020 MOVE (situ%-4)*8,359
1025 DRAW (situ%+18)*8+3,359
1030 y%=359
1035 FOR fila%=1 TO 10
1040 y%=y%-32
1045 MOVE (situ%-4)*8,y%
1050 DRAW (situ%+18)*8+3,y%
1055 NEXT fila%
1060 MOVE (situ%-2)*8,399
1065 DRAW (situ%-2)*8,39
1070 MOVE (situ%-2)*8+4,399
1075 DRAW (situ%-2)*8+4,39
1080 x%=(situ%-2)*8+4
1085 FOR fila%=1 TO 10
1090 x%=x%+16
1095 MOVE x%,399
1100 DRAW x%,39
1105 NEXT fila%
1110 FOR fila%=1 TO 10
1115 LOCATE situ%-3,2+2*fila%:PRINT CHR$(64+fila%)
1120 NEXT fila%
1125 IF situ%=14 THEN situ%=48:GOSUB 1000
1130 RETURN
1235 a$=INKEY$:IF a$="" THEN 1235
1240 IF ASC(a$)<>224 AND ASC(a$)<>240 AND ASC(a$)<>241 AND ASC(a$)<>241 AND ASC(
a$)<>242 AND ASC(a$)<>243 THEN 1235
1245 IF ASC(a$)=242 THEN columna%=columna%-1:IF columna%>0 THEN x1%=fila%:y1%=co
luma%+1:GOSUB 1550:ELSE PRINT CHR$(7)::columna%=1
1250 IF ASC(a$)=243 THEN columna%=columna%+1:IF columna%<11 THEN x1%=fila%:y1%=c
olumna%-1:GOSUB 1550:ELSE PRINT CHR$(7)::columna%=10
1255 IF ASC(a$)=240 THEN fila%=fila%-1:IF fila%>0 THEN x1%=fila%+1:y1%=columna%:
GOSUB 1550:ELSE PRINT CHR$(7)::fila%=1
1260 IF ASC(a$)=241 THEN fila%=fila%+1:IF fila%<11 THEN x1%=fila%-1:y1%=columna%
:GOSUB 1550:ELSE PRINT CHR$(7)::fila%=10
1265 IF ASC(a$)=240 OR ASC(a$)=241 OR ASC(a$)=242 OR ASC(a$)=243 THEN 1235
1270 dir$=STR$(fila% -1)+STR$(columna% -1):intento%=intento%+1
1275 IF pantalla$(fila%,columna%)<>" THEN GOSUB 1600:GOTO 1420
1280 ta%=1:encontrado%=0
1285 WHILE ta%<5 AND NOT encontrado% AND cuatro%<>4

```

```
1290 IF dir$=cuatro$(ta%) THEN encontrado%=-1:cuatro%=cuatro%+1:pantalla$(fila%,
columna%)="1":PRINT #1,pantalla$(fila%,columna%):sau
x%=cuatro%:tam%=4:GOSUB 1650
1292 IF cuatro%=4 AND pasar%(1) THEN pasar%(1)=0:numero%=1:tam%=4:GOSUB 1900:GOS
UB 1750
1295 ta%=ta%+1
1300 WEND
1305 numero%=1:ta%=1
1310 WHILE numero%<3 AND NOT encontrado% AND (tres%(1)<>3 OR tres%(2)<>3)
1315 WHILE ta%<4 AND NOT encontrado%
1320 IF dir$=tres$(numero%,ta%) THEN encontrado%=-1:tres%(numero%)=tres%(numero%
)+1:pantalla$(fila%,columna%)="1":PRINT #1,pantalla$(
fila%,columna%):saux%=tres%(numero%):tam%=3:GOSUB 1650
1322 IF tres%(numero%)=3 AND pasar%(1+numero%) THEN pasar%(1+numero%)=0:tam%=3:G
OSUB 1900:GOSUB 1750
1325 ta%=ta%+1
1330 WEND
1335 numero%=numero%+1:ta%=1
1340 WEND
1345 numero%=1:ta%=1
1350 WHILE numero%<4 AND NOT encontrado% AND (dos%(1)<>2 OR dos%(2)<>2 OR dos%(3
)<>2)
1355 WHILE ta%<3 AND NOT encontrado%
1360 IF dir$=dos$(numero%,ta%) THEN encontrado%=-1:dos%(numero%)=dos%(numero%)+1
:pantalla$(fila%,columna%)="1":PRINT #1,pantalla$(fi
la%,columna%):saux%=dos%(numero%):tam%=2:GOSUB 1650
1362 IF dos%(numero%)=2 AND pasar%(3+numero%) THEN pasar%(3+numero%)=0:tam%=2:GO
SUB 1900:GOSUB 1750
1365 ta%=ta%+1
1370 WEND
1375 numero%=numero%+1:ta%=1
1380 WEND
1385 numero%=1
1390 WHILE numero%<5 AND NOT encontrado% AND (uno%(1)<>1 OR uno%(2)<>1 OR uno%(3
)<>1 OR uno%(4)<>1)
1395 IF dir$=uno$(numero%,1) THEN encontrado%=-1:uno%(numero%)=uno%(numero%)+1:p
antalla$(fila%,columna%)="1":PRINT #1,pantalla$(fila
%,columna%):saux%=uno%(numero%):tam%=1:GOSUB 1650
1397 IF uno%(numero%)=1 AND pasar%(6+numero%) THEN pasar%(6+numero%)=0:tam%=1:GO
SUB 1900:GOSUB 1750
1400 numero%=numero%+1
1405 WEND
1410 IF NOT encontrado% THEN pantalla$(fila%,columna%)="." :PRINT #1,pantalla$(fi
la%,columna%):GOSUB 1700
1415 IF cuatro%=4 AND tres%(1)=3 AND tres%(2)=3 AND dos%(1)=2 AND dos%(2)=2 AND
dos%(3)=2 AND uno%(1)=1 AND uno%(2)=1 AND uno%(3)=1
AND uno%(4)=1 THEN yo%=-1
1420 RETURN
1500 PAPER #1,1:PEN #1,2
1505 INK 1,24:INK 2,1
1510 WINDOW #1,46+2*columna%,46+2*columna%,2+2*fila%,2+2*fila%
1515 CLS #1
1520 PRINT #1,pantalla$(fila%,columna%);
1530 RETURN
1550 PAPER #1,0:PEN #1,1:CLS #1
1555 PRINT #1,pantalla$(x%:y%);
1560 GOSUB 1500
1565 RETURN
1600 INK 0,24:INK 1,1
1605 pre$="0025DISFARO YA EFECTUADO":GOSUB 3050:INK 0,1:INK 1,24:turno%=0
1607 pausa%=500:GOSUB 4400:intento%=intento%-1
1610 RETURN
1650 IF aux%=tam% THEN pre$="0025HUNDIDO":GOSUB 3050:ELSE pre$="0025TOCADO":GOSU
B 3050
1660 turno%=0
1670 INK 0,2,6
1675 pausa%=3000:GOSUB 4400
1680 INK 0,1
1685 RETURN
1700 INK 0,24:INK 1,1
1705 pre$="0025AGUA":GOSUB 3050:INK 0,1:INK 1,24:turno%=1
1707 pausa%=3000:GOSUB 4400
1710 RETURN
1750 FOR k%=1 TO 10
1755 FOR l%=1 TO 10
1760 barcos$(k%,l%)=""
1765 NEXT l%
1770 NEXT k%
1775 GOSUB 780
1780 FOR k%=1 TO 10
1785 FOR l%=1 TO 10
1790 IF barcos$(k%,l%)<>"" AND pantalla$(k%,l%)="" THEN pantalla$(k%,l%)=barcos$
(k%,l%):x%=fila%:y%=columna%:fila%=k%:columna%=l%:
GOSUB 1550
1795 NEXT l%
1800 NEXT k%
1805 RETURN
1900 FOR k%=1 TO numero%
1905 FOR l%=1 TO tam%
1910 IF tam%=4 THEN aux$(l%)=cuatro$(l%)
1915 IF tam%=3 THEN aux$(l%)=tres$(numero%,l%)
1920 IF tam%=2 THEN aux$(l%)=dos$(numero%,l%)
1925 IF tam%=1 THEN aux$(l%)=uno$(numero%,l%)
1930 NEXT l%
1935 NEXT k%
1940 RETURN
2000 FOR k%=1 TO 10
2005 FOR l%=1 TO 10
2010 mar$(k%,l%)=""
2015 NEXT l%
2020 NEXT k%
2025 RETURN
2050 fx%=1:fy%=1
2055 GOSUB 3000
2060 pre$="0025COLOCA TUS BARQUITOS"
2065 GOSUB 3050:acabado%=0
2067 WHILE NOT acabado%
2070 a%=INKEY$:IF a$="" THEN 2070
2075 IF ASC(a%)<>224 AND ASC(a%)<>240 AND ASC(a%)<>241 AND ASC(a%)<>242 AND ASC(
a%)<>243 AND ASC(a%)<>13 AND ASC(a%)<>16 THEN 2070
2080 IF ASC(a%)=242 THEN fy%=fy%-1:IF fy%>0 THEN x%=fx%:y%=fy%+1:GOSUB 3030:EL
SE PRINT CHR$(7)::fy%=1
```

```

2085 IF ASC(a#)=243 THEN fx%=fy%+1:IF fy%<11 THEN x1%=fx%:y1%=fy%-1:GOSUB 3030:EL
LSE PRINT CHR$(7)::fy%=10
2090 IF ASC(a#)=240 THEN fx%=fx%-1:IF fx%>0 THEN x1%=fx%+1:y1%=fy%:GOSUB 3030:EL
SE PRINT CHR$(7)::fx%=1
2095 IF ASC(a#)=241 THEN fx%=fx%+1:IF fx%<11 THEN x1%=fx%-1:y1%=fy%:GOSUB 3030:EL
LSE PRINT CHR$(7)::fx%=10
2100 IF ASC(a#)=224 THEN GOSUB 3100
2105 IF ASC(a#)=13 THEN GOSUB 3150
2110 IF ASC(a#)=16 THEN situ%=14:GOSUB 3800:GOTO 2050
2115 IF uno1%=4 AND dos1%=3 AND tres1%=2 AND cuatro1%=1 THEN acabado%=-1
2120 WEND
2121 GOSUB 3665
2122 PAPER #1,0:PEN #1,1:CLS #1:PRINT #1,mar$(fx%,fy%);
2125 RETURN
3000 PAPER #1,1:PEN #1,2
3005 INK 1,24:INK 2,1
3010 WINDOW #1,12+2*fy%,12+2*fy%,2+2*fx%,2+2*fx%
3015 CLS #1
3020 PRINT #1,mar$(fx%,fy%);
3025 RETURN
3030 PAPER #1,0:PEN #1,1:CLS #1
3035 PRINT #1,mar$(x1%,y1%);
3040 GOSUB 3000
3045 RETURN
3050 c%=VAL(MID$(pre$,1,2))
3055 f%=VAL(MID$(pre$,3,4))
3060 IF c%=0 THEN c%=(80-LEN(pre$)-4)\2
3065 LOCATE 1,f%:PRINT CHR$(18);
3070 LOCATE c%,f%:PRINT MID$(pre$,5,LEN(pre$)-4)
3075 RETURN
3100 IF mar$(fx%,fy%) <> "" THEN PRINT CHR$(7)::pre$="0025POSICION ERRONEA":GOSU
B 3050:GOTO 3130
3105 long%=long%+1
3110 IF long%>4 THEN PRINT CHR$(7)::long%=long%-1:pre$="0025BARCO DEMASIADO GRAN
DE":GOSUB 3050:GOSUB 3500:GOTO 3130
3115 aux$(long%)=STR$(fx% -1)+STR$(fy% -1)
3120 mar$(fx%,fy%)="1"
3125 GOSUB 3000
3130 RETURN
3150 IF long%=0 THEN PRINT CHR$(7);
3152 IF long%=1 THEN uno1%=uno1%+1:IF uno1%>4 THEN PRINT CHR$(7)::uno1%=uno1%-1:
pre$="0025DEMASIADOS BARCOS DE ESTE TIPO":GOSUB 3050
:GOSUB 3500:GOTO 3175:ELSE GOSUB 3550:GOSUB 3600:long%=0:GOTO 3175
3155 IF long%=2 THEN dos1%=dos1%+1:IF dos1%>3 THEN PRINT CHR$(7)::dos1%=dos1%-1:
pre$="0025DEMASIADOS BARCOS DE ESTE TIPO":GOSUB 3050
:GOSUB 3500:GOTO 3175:ELSE GOSUB 3700:long%=0:GOTO 3175
3160 IF long%=3 THEN tres1%=tres1%+1:IF tres1%>2 THEN PRINT CHR$(7)::tres1%=tres
1%-1:pre$="0025DEMASIADOS BARCOS DE ESTE TIPO":GOSUB
3050:GOSUB 3500:GOTO 3175:ELSE GOSUB 3700:long%=0:GOTO 3175
3165 IF long%=4 THEN cuatro1%=cuatro1%+1:IF cuatro1%>1 THEN PRINT CHR$(7)::cuatr
o1%=cuatro1%-1:pre$="0025DEMASIADOS BARCOS DE ESTE T
IPO":GOSUB 3050:GOSUB 3500:ELSE GOSUB 3700:long%=0
3175 RETURN
3500 FOR k%=1 TO long%
3502 x1%=fx%:y1%=fy%
3505 fx%=VAL(MID$(aux$(k%),1,2))+1:fy%=VAL(MID$(aux$(k%),3,2))+1
3520 mar$(fx%,fy%)=""
3525 GOSUB 3030
3527 mar$(fx%,fy%)=""
3530 NEXT k%
3535 long%=0
3540 RETURN
3550 IF long%=1 THEN uno1$(uno1%,1)=aux$(1)
3555 IF long%=2 THEN FOR k%=1 TO 2:dos1$(dos1%,k%)=aux$(k%):NEXT k%
3560 IF long%=3 THEN FOR k%=1 TO 3:tres1$(tres1%,k%)=aux$(k%):NEXT k%
3565 IF long%=4 THEN FOR k%=1 TO 4:cuatro1$(1,k%)=aux$(k%):NEXT k%
3567 pre$="0025BARCO COMPUTADO":GOSUB 3050
3570 RETURN
3600 FOR k%=1 TO 10
3605 FOR l%=1 TO 10
3610 barcos$(k%,l%)=mar$(k%,l%)
3615 NEXT l%
3620 NEXT k%
3625 tam%=long%
3630 GOSUB 780
3635 FOR k%=1 TO 10
3640 FOR l%=1 TO 10
3645 IF barcos$(k%,l%)="." THEN mar$(k%,l%)=""
3650 NEXT l%
3655 NEXT k%
3660 RETURN
3665 FOR k%=1 TO 10
3670 FOR l%=1 TO 10
3675 IF mar$(k%,l%)="" THEN mar$(k%,l%)=""
3680 NEXT l%
3685 NEXT k%
3690 RETURN
3700 GOSUB 3850:ho%=-1:ve%=-1:long1%=long%
3705 FOR i%=1 TO long%-1
3710 fallo%=-1
3715 xx%=VAL(MID$(aux$(i%),1,2))+1:yy%=VAL(MID$(aux$(i%),3,2))+1
3717 xx1%=VAL(MID$(aux$(i%+1),1,2))+1:yy1%=VAL(MID$(aux$(i%+1),3,2))+1
3720 IF ho% AND xx%+1=xx1% AND yy%=yy1% THEN fallo%=0:ve%=0
3725 IF ve% AND yy%+1=yy1% AND xx%=xx1% THEN fallo%=0:ho%=0
3730 IF fallo% THEN pre$="0025BARCO ERRONED":GOSUB 3050:GOSUB 3500:GOTO 3755
3740 NEXT i%
3745 GOSUB 3550:GOSUB 3600
3750 GOTO 3760
3755 IF long1%=4 THEN cuatro1%=cuatro1%-1:ELSE IF long1%=3 THEN tres1%=tres1%-1:
ELSE IF long1%=2 THEN dos1%=dos1%-1
3760 RETURN
3800 CLS
3805 GOSUB 1000
3810 uno1%=0:dos1%=0:tres1%=0:cuatro1%=0:long%=0
3815 GOSUB 2000
3820 RETURN
3850 FOR i%=1 TO long%-1
3855 FOR j%=i%+1 TO long%
3860 IF aux$(i%)>aux$(j%) THEN ayuda%=aux$(i%):aux$(i%)=aux$(j%):aux$(j%)=ayud
a%
3865 NEXT j%

```

```

3870 NEXT i%
3875 RETURN
4000 yo%=0:ordenador%=0:total%=0:largo%=0:entrar%=0:hoiz%=-1:hode%=-1:vear%=-1:veab%=-1
4010 RANDOMIZE TIME
4015 turno%=INT(RND*2)
4020 DIM aux1$(4):fila%=1:columna%=1:tocado%=0
4025 WHILE NOT yo% AND NOT ordenador%
4030 IF turno%=0 THEN GOSUB 1500:pre$="0025TE TOCA JUGAR":GOSUB 3050:GOSUB 1235:
ELSE GOSUB 4100
4035 WEND
4040 CLS
4045 IF yo% THEN pre$="0010ENHORABUENA HAS GANADO":GOSUB 3050:LOCATE 21,14:PRINT
"LO HAS CONSEGUIDO EN";intento%:"INTENTOS":ELSE pre
$="0010 MEJOR SUERTE LA PROXIMA VEZ":GOSUB 3050
4050 pre$="0016PULSA UNA TECLA PARA SEGUIR":GOSUB 3050
4055 IF INKEY$="" THEN 4055
4060 RETURN
4100 IF NOT tocado% THEN RANDOMIZE TIME:fx%=1+INT(RND*10):fy%=1+INT(RND*10):IF m
ar$(fx%,fy%)="." OR mar$(fx%,fy%)="X" THEN 4100
4105 IF NOT tocado% THEN 4155
4110 GOSUB 700
4111 fx%=fx%+1:fy%=fy%+1
4112 IF der% OR izq% THEN fico%=fy%:ELSE fico%=fx%
4115 IF (hoiz% OR hode%) AND (izq% OR der%) THEN 4120:ELSE 4125
4120 fico%=fico%+despl%:IF fico%>0 AND fico%<11 THEN IF mar$(fx%,fico%)="." AND
der% THEN hode%=0:GOTO 4110:ELSE IF mar$(fx%,fico%)=
"." AND izq% THEN hoiz%=0:GOTO 4110:ELSE IF mar$(fx%,fico%)="X" THEN 4120:ELSE f
y%=fico%:GOTO 4155
4125 IF (veab% OR vear%) AND (arriba% OR abajo%) THEN 4130:ELSE GOTO 4135
4130 fico%=fico%+despl%:IF fico%>0 AND fico%<11 THEN IF mar$(fico%,fy%)="." AND
arriba% THEN vear%=0:GOTO 4110:ELSE IF mar$(fico%,fy
%)="." AND abajo% THEN veab%=0:GOTO 4110:ELSE IF mar$(fico%,fy%)="X" THEN 4130:EL
SE fx%=fico%:GOTO 4155
4135 GOTO 4110
4155 IF fy%=10 THEN fy%=0
4157 pre$="2025"+CHR$(64+fx%)+STR$(fy%):GOSUB 3050:IF fy%=0 THEN fy%=10
4160 LOCATE 30,25:INPUT "SITUACION A/T/H : ",c$
4165 c$=UPPER$(c$)
4170 IF LEN(c$)<1 THEN 4155
4175 IF LEN(c$)<2 AND (c$<>"A" AND c$<>"T" AND c$<>"H") THEN 4155
4180 IF LEN(c$)>1 AND (c$<>"AGUA" AND c$<>"TOCADO" AND c$<>"HUNDIDO") THEN 4155
4185 c$=MID$(c$,1,1)
4190 IF c$="A" AND mar$(fx%,fy%)<>" THEN pre$="0025NO ME CRED NADA":GOSUB 3050:
pauza%=2000:GOSUB 4400:GOTO 4155
4195 IF c$="T" OR c$="H") AND mar$(fx%,fy%)="" THEN pre$="0025NO ME CRED NADA":
GOSUB 3050:pauza%=2000:GOSUB 4400:GOTO 4155
4205 IF c$="A" THEN mar$(fx%,fy%)="." :GOSUB 4420:turno%=0:GOTO 4330
4210 aux$(0)=STR$(fx%-1)+STR$(fy%-1)
4225 IF NOT entrar% THEN FOR i%=1 TO 4:IF aux$(0)=cuatro1$(i%,i%) THEN entrar%=-1
:hundido%=4:GOTO 4305:ELSE NEXT i%
4230 IF NOT entrar% THEN FOR j%=1 TO 2:FOR i%=1 TO 3:IF aux$(0)=tres1$(i%,j%) TH
EN entrar%=-1:hundido%=3:GOTO 4305:ELSE NEXT j%:NEXT
i%
4235 IF NOT entrar% THEN FOR i%=1 TO 3:FOR j%=1 TO 2:IF aux$(0)=dos1$(i%,j%) THE
N entrar%=-1:hundido%=2:GOTO 4305:ELSE NEXT j%:NEXT
i%
4240 IF NOT entrar% THEN FOR i%=1 TO 4:IF aux$(0)=uno1$(i%,1) THEN entrar%=-1:hu
ndido%=1:GOTO 4305:ELSE NEXT i%
4305 IF c$="H" AND hundido%-1<>0 THEN pre$="0025NO ME CRED NADA":GOSUB 3050:pau
sa%=2000:GOSUB 4400:GOTO 4155
4307 IF c$="T" AND hundido%-1=0 THEN pre$="0025NO ME CRED NADA":GOSUB 3050:pau
sa%=2000:GOSUB 4400:GOTO 4155
4310 mar$(fx%,fy%)="X":GOSUB 4420:largo%=largo%+1:total%=total%+1:aux1$(largo%)=
aux$(0):hundido%=hundido%-1
4315 IF c$="T" THEN tocado%=-1:fx%+1:fy%+1:fy%=fy%
4317 IF largo%=2 THEN IF der% OR izq% THEN vear%=0:veab%=0:ELSE hoiz%=0:hode%=0
4320 IF hundido%=0 THEN tocado%=0:tam%=largo%:GOSUB 4500:largo%=0:entrar%=0:hoi
z%=-1:hode%=-1:veab%=-1:vear%=-1
4325 IF total%=20 THEN ordenador%=-1
4330 RETURN
4400 FOR m%=1 TO pauza%:NEXT
4405 RETURN
4420 PAPER #1,0:PEN #1,1:WINDOW #1,46+2*columna%,46+2*columna%,2+2*fila%,2+2*fil
a%
4425 CLS #1
4430 PRINT #1,pantalla$(fila%,columna%);
4435 PAPER #1,1:PEN #1,2:INK 1,24:INK 2,1
4440 WINDOW #1,12+2*fy%,12+2*fy%,2+2*fx%,2+2*fx%
4445 CLS #1:PRINT #1,mar$(fx%,fy%);
4450 PAPER #1,0:PEN #1,1:CLS #1:PRINT #1,mar$(fx%,fy%);
4455 GOSUB 1500
4460 RETURN
4500 FOR i%=1 TO tam%
4505 aux$(i%)=aux1$(i%)
4510 NEXT i%
4515 FOR i%=1 TO 10
4520 FOR j%=1 TO 10
4525 barcos$(i%,j%)=mar$(i%,j%)
4530 NEXT j%
4535 NEXT i%
4540 GOSUB 780
4545 FOR i%=1 TO 10
4550 FOR j%=1 TO 10
4555 IF barcos$(i%,j%)<>" AND mar$(i%,j%)="" THEN mar$(i%,j%)=barcos$(i%,j%):fx
%=i%:fy%=j%:GOSUB 4420
4560 NEXT j%
4565 NEXT i%
4570 RETURN
6000 MODE 1:BORDER 25,1
6005 LOCATE 14,5:PRINT "AMSTRADMANIA"
6010 LOCATE 3,14:PRINT "Presenta : LA ARMADA CONTRATACA"
6015 LOCATE 10,23:PRINT CHR$(164);" EDITORIAL COMETA"
6020 pauza%=10000:GOSUB 4400
6025 BORDER 1:RETURN

```