```
Filename:MSTRMIND
ViewWindow 0,127,0,127↵
Lbl 0↵
1→Y↵
0→S↵
5→X↵
0→M↵
9→P↵
0→H↵
1→R↵
0→N↵
Text 30,29,"MASTER MIND V1.0"↵
Text 20,15,"(C) 2008 PETER CREATIONS"↵
While Getkey≠31↵
Text 40,45,"PRESS (EXE)"↵
Text 40,45,"           "↵
WhileEnd↵
Lbl U↵
Cls↵
Text 1,1,"GAME SETUP MENU"↵
Text 11,1,"1.CHANGE PUZZLE LENGTH →"↵
Text 21,1,"2.CHANGE MIN NUMBER →"↵
Text 31,1,"3.CHANGE MAX NUMBER →"↵
Text 41,1,"4.START GAME"↵
Text 11,110,X↵
Text 21,110,M↵
Text 31,110,P↵
While 1=1↵
Getkey→Z↵
Z=72⇒2.1→S↵
Z=62⇒2.2→S↵
Z=52⇒2.3→S↵
Z=72 Or Z=62 Or Z=52⇒Goto C↵
Z=73⇒3→S↵
Z=73⇒Goto R↵
WhileEnd↵
Lbl C↵
Cls↵
Text 1,20,"CHANGING"↵
S=2.1⇒Text 1,59,"PUZZLE LENGTH"↵
S=2.2⇒Text 1,59,"MIN NUMBER"↵
S=2.3⇒Text 1,59,"MAX NUMBER"↵
Text 50,20,"PRESS (EXE) WHEN READY"↵
While Getkey≠31↵
Text 25,60," "↵
S=2.1⇒Text 25,60,X↵
S=2.2⇒Text 25,60,M↵
S=2.3⇒Text 25,60,P↵
Getkey→Z↵
Z=72⇒1→Z↵
Z=62⇒2→Z↵
Z=52⇒3→Z↵
```

```
Z=73⇒4→Z↵
Z=63⇒5→Z↵
Z=53⇒6→Z↵
Z=74⇒7→Z↵
Z=64⇒8→Z↵
Z=54⇒9→Z↵
Z=71 And S=2.2⇒0→Z↵
S=2.2⇒M>P⇒P-1→Z↵
S=2.3⇒P<M⇒M+1→Z↵
Z≤9 And Z≠0⇒S=2.1⇒Z→X↵
Z≤9 And Z≠0⇒S=2.2⇒Z→M↵
Z≤9 And Z≠0⇒S=2.3⇒Z→P↵
WhileEnd↵
Goto U↵
Lbl R↵
Cls↵
Text 1,1,"HOW DO YOU WANT THE PUZZLE SET:"↵
Text 11,1,"1.BY THE COMPUTER"↵
Text 21,1,"2.BY SOMEONE ELSE"↵
While S=3↵
Getkey=72⇒4→S↵
Getkey=62⇒4.5→S↵
WhileEnd↵
{(X+2),1}→Dim Mat A↵
Fill(0,Mat A↵
S=4⇒Goto A↵
Cls↵
Text 1,30,"ENTER THE NUMBER:"↵
Text 50,20,"PRESS (EXE) WHEN READY"↵
Int (X÷2)-(X÷2)→K↵
K>0⇒1→K↵
Int ((127÷2)+5(K-1)-10(Int (X÷2)-K))→K↵
For 1→I To X↵
Text 25,(K+10×I),Mat A[I,1]↵
Next↵
1→I↵
While Getkey≠31↵
Getkey→Z↵
Z=27⇒I+1>X⇒X→I↵
Z=27⇒I+1≤X⇒Isz I↵
Z=38⇒I-1=0⇒1→I↵
Z=38⇒I-1>0⇒Dsz I↵
Text 30,10,"                    "↵
Text 30,(K+I×10-1),"#E69C"↵
Z=71⇒0.1→Z↵
Z=72⇒1→Z↵
Z=62⇒2→Z↵
Z=52⇒3→Z↵
Z=73⇒4→Z↵
Z=63⇒5→Z↵
Z=53⇒6→Z↵
Z=74⇒7→Z↵
```

```
Z=64⇒8→Z↵
Z=54⇒9→Z↵
Z≥1⇒Z<10⇒M≤Z⇒P≥Z⇒Z→Mat A[I,1]↵
Z=0.1⇒0→Mat A[I,1]↵
Z>0⇒Text 25,(K+10I),Mat A[I,1]↵
WhileEnd↵
Goto G↵
Lbl A↵
For 1→I To X↵
Int (Ran#×P)+M→Mat A[I,1]↵
Next↵
Lbl G↵
{(X+2),(N+1)}→Dim Mat B↵
For 1→I To (X+2)↵
For 1→J To (N+1)↵
Mat A[I,J]→Mat B[I,J]↵
Next↵
Next↵
{(X+2),(N+2)}→Dim Mat A↵
For 1→I To (X+2)↵
For 1→J To (N+1)↵
Mat B[I,J]→Mat A[I,J]↵
Next↵
Next↵
For 1→I To X↵
N≠1⇒Mat B[I,(N+1)]→Mat A[I,(N+1)]↵
N=1⇒0→Mat A[I,(N+1)]↵
Next↵
Isz N↵
Cls↵
Text 1,1,"MASTER MIND"↵
Text 1,90,"ATTEMPTS"↵
Text 10,120,"#E69C"↵
Text 40,120,"#E69D"↵
F-Line 120,10,120,50↵
F-Line 88,0,88,50↵
F-Line 0,10,127,10↵
F-Line 0,50,127,50↵
5→K↵
For 1→I To X↵
Text 52,(K+10×I),Mat A[I,1]↵
Next↵
1→I↵
While Getkey≠31↵
Lbl 9↵
Getkey→Z↵
Z=27⇒I+1>X⇒X→I↵
Z=27⇒I+1≤X⇒Isz I↵
Z=38⇒I-1=0⇒1→I↵
Z=38⇒I-1>0⇒Dsz I↵
Text 57,10,"                              "↵
Text 57,(K+I×10-1),"#E69C"↵
```

```
Z=71⇒0.1→Z↵
Z=72⇒1→Z↵
Z=62⇒2→Z↵
Z=52⇒3→Z↵
Z=73⇒4→Z↵
Z=63⇒5→Z↵
Z=53⇒6→Z↵
Z=74⇒7→Z↵
Z=64⇒8→Z↵
Z=54⇒9→Z↵
Z≧1⇒Z<10⇒M≦Z⇒P≧Z⇒Z→Mat A[I,N]↵
Z=0.1⇒0→Mat A[I,N]↵
Z>0⇒Z<10⇒Text 52,(K+10I),Mat A[I,N]↵
Z=28⇒5→S↵
Z=37⇒7→S↵
If S≧5↵
Then S-6→J↵
Y+J≧1⇒Y+J≦N⇒N>4⇒N-Y-J≧1⇒1→R↵
R=1⇒Y+J→Y↵
R=1⇒Goto 8↵
WhileEnd↵
Goto T↵
Lbl 8↵
N>3⇒Y+3→Z↵
N≦3⇒N→Z↵
25→O↵
For 1→J To (X+2)↵
J≦X⇒-5+9J→Q↵
J=X+1⇒85→Q↵
J=X+2⇒100→Q↵
For Y→K To Z↵
Text O,Q,Mat A[J,K+1]↵
O+10→O↵
Next↵
25→O↵
Next↵
Goto 9↵
Lbl T↵
{X,1}→Dim Mat D↵
{X,1}→Dim Mat C↵
Fill(Mat D,0↵
Fill(Mat C,0↵
For 1→I To X↵
Mat A[I,1]=Mat A[I,N+1]⇒1→Mat D[I,1]↵
Mat A[I,1]=Mat A[I,N+1]⇒1→Mat C[I,1]↵
Next↵
For 1→I To X↵
Mat D[I,1]=1⇒Next↵
For 1→J To X↵
Mat C[I,1]>0⇒Next↵
Mat A[J,1]=Mat A[I,N+1]⇒1→Mat D[I,1]↵
Mat A[J,1]=Mat A[I,N+1]⇒2→Mat C[J,1]↵
```

```
Next↵
Next↵
0→J↵
For 1→I To X↵
Mat C[I,1]=1⇒Isz J↵
Next↵
J→Mat A[X+1,N+1]↵
J=X⇒Goto W↵
0→J↵
For 1→I To X↵
Mat C[I,1]⇒Isz J↵
Next↵
J→Mat A[X+2,N+1]↵
1→R↵
1→J↵
Y+J≧1⇒Y+J≦N⇒N>4⇒N−Y−J≧1⇒Isz Y↵
Goto G↵
Lbl W↵
Cls↵
Text 1,1,"WELL DONE YOU SOLVED THE PUZZLE"!""↵
Text 11,30,"THE CORRECT ANSWER WAS:"↵
For 1→I To X↵
Text 25,(20+10I),Mat A[I,1]↵
Next↵
Text 40,40,"IN   ATTEMPTS"↵
Text 40,45,N↵
While Getkey=31↵
Text 51,40,"          "↵
Text 51,40,"PRESS (EXE)"↵
WhileEnd↵
Cls↵
Text 1,1,"1.START OVER"↵
Text 11,1,"2.NEW ROUND"↵
Text 21,1,"3.QUIT"↵
While 1=1↵
Getkey→Z↵
Z=72⇒Goto O↵
Z=62⇒Goto R↵
Z=52⇒Goto 9↵
WhileEnd↵
Lbl 9
```