

Menu("START?", "YES", 1, "NO", 2)

Lbl 1
[J]→[I]
ClrHome
Disp "PRESS MODE TO"
Disp "QUIT AT ANY TIME"
Disp ""
Disp "GET THE KEY (K)"
Disp "TO OPEN THE DOOR"
Disp "(D)"
Pause

ClrHome
For(X,1,8,1)
For(Y,1,16,1)

If ([J](X,Y)≠1 and [J](X,Y)≠2 and [J](X,Y)≠3 and [J](X,Y)≠4)
Then
Output(X,Y,0)

Else
If [J](X,Y)=2
Then
Output(X,Y,"P")
Else
If [J](X,Y)=3
Then
Output(X,Y,"K")

Else
If [J](X,Y)=4
Then
Output(X,Y,"D")

End
End
End
End

End
End

0→D
Lbl G

Repeat (K=26 or K=25 or K=34 or K=24 or K=22)
getKey→K
End

If (K=26)
Then

For(X,1,8,1)
For(Y,1,16,1)

If ([J](X,Y)=2)
Then

```

If ([J](X,Y+1)=3)
Then
1→D
Output(X,Y," P"
1→[J](X,Y)
2→[J](X,Y+1)
Goto G

Else
If ([J](X,Y+1)=4)
Then

If (D≠∅)
Then
ClrHome
Output(4,5,"YOU WON"
[I]→[J]
Pause
Stop

Else
If (D=∅)
Then
Goto G

End
End

Else
If ([J](X,Y+1)=1)
Then
Output(X,Y," P"
1→[J](X,Y)
2→[J](X,Y+1)
Goto G

End
End
End

End

End
End

Else
If (K=25)
Then

For(X,1,8,1)
For(Y,1,16,1)

If ([J](X,Y)=2)
Then

If ([J](X-1,Y)=3)
Then
1→D
Output(X-1,Y,"P")

```

```

Output(X,Y," ")
1→[J] (X,Y)
2→[J] (X-1,Y)
Goto G

Else
If ([J] (X-1,Y)=4)
Then

If (D≠∅)
Then
ClrHome
Output(4,5,"YOU WON")
[I]→[J]
Pause
Stop

Else
If (D=∅)
Then
Goto G

End
End

Else
If ([J] (X-1,Y)=1)
Then
Output(X-1,Y,"P")
Output(X,Y," ")
1→[J] (X,Y)
2→[J] (X-1,Y)
Goto G

End
End
End

End

End
End

Else
If (K=24)
Then

For(X,1,8,1)
For(Y,1,16,1)

If ([J] (X,Y)=2)
Then

If ([J] (X,Y-1)=3)
Then
1→D
Output(X,Y-1,"P")
Output(X,Y," ")
1→[J] (X,Y)
2→[J] (X,Y-1)
Goto G

```

```

Else
If ([J] (X,Y-1)=4)
Then

If (D=1)
Then
ClrHome
Output(4,5,"YOU WON"
[I]→[J]
Pause
Stop

Else
If (D≠1)
Then
Goto G

End
End

Else
If ([J] (X,Y-1)=1)
Then
Output(X,Y," "
Output(X,Y-1,"P"
1→[J] (X,Y)
2→[J] (X,Y-1)
Goto G

End
End
End

End

End
End

Else
If (K=34)
Then

For(X,1,8,1)
For(Y,1,16,1)

If ([J] (X,Y)=2)
Then

If ([J] (X+1,Y)=3)
Then
1→D
Output(X+1,Y,"P")
Output(X,Y," ")
1→[J] (X,Y)
2→[J] (X+1,Y)
Goto G

Else
If ([J] (X+1,Y)=4)
Then

If (D=1)

```

```
Then
ClrHome
Output(4,5,"YOU WON"
[I]→[J]
Pause
Stop
```

```
Else
If (D≠1)
Then
Goto G
```

```
End
End
```

```
Else
If ([J](X+1,Y)=1)
Then
Output(X,Y," ")
Output(X+1,Y,"P"
1→[J](X,Y)
2→[J](X+1,Y)
Goto G
```

```
End
End
End
```

```
End
```

```
End
End
```

```
Else
If (K=22)
Then
[I]→[J]
ClrHome
Stop
```

```
End
End
End
End
End
```

```
End
End
```

```
Lbl 2
ClrHome
Output(4,5,"GOODBYE"
Pause
```