

```

Lb1 1
Norm
ClrText
"EAST 1"?→A
"NORTH 1"?→C
ClrText
"EAST 2"?→I
"NORTH 2"?→J
ClrText
I←A→E:J←C→N
 $\sqrt{(E^2+N^2)}$ →D
If N=0
Then Goto 7
IfEnd
If N<0
Then Goto 8
IfEnd
 $\tan^{-1}(E\div N)$ →B
If B<0
Then B+360→B
IfEnd
Goto 2
Lb1 7
If E>0
Then 90→B
Else 270→B
IfEnd
Goto 2
Lb1 8
 $\tan^{-1}(E\div N)+180$ →B
Lb1 2
ClrText
"ROTATION MM"
If Abs (E)<Abs (N)
Then E×1000→P
Else N×1000→P
IfEnd
Abs P↱
Lb1 4
ClrText
"    MENU:"
"[1] LEFT"
"[2] RIGHT    "?→M
If M=1
Then B←90→G:Goto 3
IfEnd
If M=2
Then B+90→G:Goto 3
IfEnd
If M=3
Then Goto 2
IfEnd
ClrText
If M=9
Then Norm
ClrText
Stop
IfEnd
If M=0
Then Goto 1
IfEnd
Goto 4
Lb1 3
ClrText
"WIDTH (M)"?→K
ClrText
 $(A+I)\div 2$ →M:  $(C+J)\div 2$ →O
 $\sin (G)\times (K\div 2)+M$ →Y:  $\cos (G)\times (K\div 2)+O$ →Z
Fix 3
"CL EAST:"
Y↱
"CL NORTH:"
Z↱
Goto 1

```