

```

Deg
ClrText
0→Q
"EAST 1"→A
"NORTH 1"→C
Lbl 1
ClrText
"    MENU:"
"[1] RO BRG"
"[2] RO COORD"→M
ClrText
If M=2
Then Goto 2
IfEnd
If M=1
Then Goto 3
IfEnd
Goto 1
Lbl 2
"RO EAST"→I
"RO NORTH"→J
Goto 4
Lbl 3
"RO BEARING"→G
Lbl 4
Norm
ClrText
1→Q
"OBS AT PT:"
Q↵
ClrText
"HZ ANG"→K
"FWD DIST"→H
ClrText
If M=1
Then Goto 5
IfEnd
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 9
Lbl 7
If E>0
Then 90→B
Else 270→B
IfEnd
Goto 9
Lbl 8
 $\tan^{-1}(E \div N)+180$ →B
Lbl 9
B→G
Lbl 5
G+K→F
Lbl 6
If F≥360
Then F-360→F:Goto 6
IfEnd
If F<0
Then F+360→F:Goto 6
IfEnd
ClrText
Norm
"FWD BEARING:"
F↵
ClrText
sin (F)×H+A→Y
cos (F)×H+C→Z
Fix 4:"EASTING:"
Y↵
"NORTHING:"
Z↵
ClrText
Norm
ClrText

```

"OBS AT PT:"
Q+1→Q
Q↵
ClrText
"HZ ANG"?→K
"FWD DIST"?→H
ClrText
F+180→G:Y→A:Z→C
Goto 5