```
Lbl 8
ClrText
"CL EAST"?→X
"CL NORTH"?→Y
ClrText
"RADIUS"?→R
Lbl 9
Norm
ClrText
"    INPUT:"
"[1] EASTING"
"[2] NORTHING"?→M
ClrText
If M=0
Then Goto 8
IfEnd
If M=1
Then Goto 1
IfEnd
If M=2
Then Goto 2
IfEnd
If M=0
Then Norm
ClrText
Stop
IfEnd
Goto 9
Lbl 1
"EASTING"?→E
ClrText
If Abs (E−X)>R
Then Goto 3
IfEnd
√(R²−(E−X)²)→D
Y+D→P
Y−D→Q
Fix 3
"NORTH1:"
P◢
"NORTH2:"
Q◢
ClrText
Goto 9
Lbl 2
"NORTHING"?→N
ClrText
If Abs (N−Y)>R
Then Goto 3
IfEnd
√(R²−(N−Y)²)→D
X+D→P
X−D→Q
Fix 3
"EAST1:"
P◢
"EAST2:"
Q◢
ClrText
Goto 9
Lbl 3
ClrText
" ==========="
"  POINT NOT "
"  ON CIRCLE"
" ==========="◢
Goto 9
```