

```

Lb1 4
ClrText
Norm
"INPUT COORDS CLOCKWISE:   EAST 1"?->A
"NORTH 1"?->B
ClrText
"EAST 2"?->C
"NORTH 2"?->D
ClrText
"EAST 3"?->E
"NORTH 3"?->F
Lb1 5
ClrText
"AZIMUTH 1"?->G
"AZIMUTH 2"?->H
ClrText
"AZIMUTH 3"?->I
ClrText
C->A:U:D->B->V
If V<0
Then tan-1 (U÷V)+180->J
Goto 1
IfEnd
If V>0
Then tan-1 (U÷V)->J
Goto 1
IfEnd
If U>0
Then 90->J
Else 270->J
IfEnd
Lb1 1
If J<0
Then J+360->J
IfEnd
E->C:U:F->D->V
If V<0
Then tan-1 (U÷V)+180->K
Goto 2
IfEnd
If V>0
Then tan-1 (U÷V)->K
Goto 2
IfEnd
If U>0
Then 90->K
Else 270->K
IfEnd
Lb1 2
If K<0
Then K+360->K
IfEnd
A->E:U:B->F->V
If V<0
Then tan-1 (U÷V)+180->L
Goto 3
IfEnd
If V>0
Then tan-1 (U÷V)->L
Goto 3
IfEnd
If U>0
Then 90->L
Else 270->L
IfEnd
Lb1 3
If L<0
Then L+360->L
IfEnd
L+180->J->M
J+180->K->N
K+180->L->O
I->H+360->W
G->I+360->X
H->G+360->Y
1÷((1÷(tan M))-(1÷(tan W)))->P
1÷((1÷(tan N))-(1÷(tan X)))->Q
1÷((1÷(tan O))-(1÷(tan Y)))->R
((P×A)+(Q×C)+(R×E))÷(P+Q+R)->S
((P×B)+(Q×D)+(R×F))÷(P+Q+R)->T
Fix 4
"EASTING:"
S↵

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```
"NORTHING:"  
T4  
Lb1 6  
ClrText  
"    MENU:"  
"[1] NEW STNS"  
"[2] NEW BRGS"?→Z  
If Z=1  
Then Goto 4  
IfEnd  
If Z=2  
Then Goto 5  
IfEnd  
Goto 6
```