

STATIQUE 3 FORCE SUPPORT CONCOURANT
DYNAMIQUE FERME.

702 bytes.

```

"ST.3F"
Lbl 0:0→A↔Z
Des
"FC.INCONNUE"
"C ORIGINE X,Y"
"FA CONNUE EN A"
"FA ET DIREC=1"
"COORD=2"
?→A:Rad
If A=2:Then Goto 1
IfEnd
"FA"?→B
If B=0 Or B<0
Then Goto 0
IfEnd
"A°"?→U
Pros "M"
Bcos U→D
Bsin U→E
Goto 2
Lbl 1
"FAx"?→D
"FAy"?→E
Lbl 2
If D²+E²=0
Then Goto 1:IfEnd
"DIREC.FB"
"B°"?→U
Pros "M"
"COORD.PT.SUP.A,B"
"XA"?→G
"YA"?→H
"XB"?→I
"YB"?→J
GE-DH→K
Isin U-Jcos U→L
If K=0 And L≠0
Then Goto 3:IfEnd
If K≠0 And L=0
Then Goto 4:IfEnd
If K=0 And L=0
Then Goto 5:IfEnd
(DH-EG)/L→M
If M>0:Then Goto 6
IfEnd
Abs M→M:U+π→U
If U>2π:Then U-2π→U
IfEnd
Lbl 6
"FB":M,
"BX":Mcos U→N,
"BY":Msin U→O,
"B°"
U→U:Pros "N",

```

```

"CX":-D-N→P,
"Cy":-E-O→Q,
"FC":√(P²+Q²),
"C°"
If P=0:Then Goto 7
IfEnd
tan⁻¹(Q/P)→U
If P<0:Then Goto 8
IfEnd
Pros "N",
Goto 0
Lbl 7
π/2→U
If Q<0:Then Goto 9
IfEnd
Pros "N",
Goto 0
Lbl 8
U+π→U
Pros "N",
Goto 0
Lbl 9
3π/2→U
Pros "N",
Goto 0
Lbl 3
"FC EST=ET OPO.A FA.FB=0",
Goto 0
Lbl 4
"ERREUR",
Goto 0
Lbl 5
"IMPOSSIBLE",

```