

DEVELOPPE D'UN TRONC DE CONE
ET DU FLAN CAPABLE. HP48GX.

1/2

877 bytes.

TCON.

<<SOUP PROS

"LD. Tronc de cone"

D?"{"}INPUT STR→'A'STO

D1?"{"}INPUT STR→'B'STO

H?"{"}INPUT STR→'C'STO

" $\theta^{\circ} = \text{Tan}^{-1}((D - D1) / 2H)$ "

'ATAN((A - B) / (2 * C))' → NUM'D'STO D

" $G = D / (2 \sin \theta^{\circ})$ "

'A / (2 * SIN(D))' → NUM'E'STO E PROK

" $G1 = D1 / 2 \sin \theta^{\circ}$ "

'B / (2 * SIN(D))' → NUM'F'STO F

"G2" 'E - F' → NUM'G'STO G PROK

" $\theta1^{\circ} = (180D) / G$ "

'(180 * A) / E' → NUM'H'STO H

'H / 2' EVAL 'H'STO

"Flan capable" PROK

IF H 90 > THEN

IF H 135 > THEN

"Y" 'E + E * COS(180 - H)' → NUM

ELSE

"Y" 'E + E * SIN(H - 90)' → NUM

END

ELSE

.../...