

# INTERSECTION D'UN PRISME COUPE PAR UN PLAN.

HP 48GX.

1 PCP.

604 bytes.

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«SOUP CLEAR PROS
"Cal. Intersec. Prisme - plan."
R?"{" } INPUT STR → 'X' STO
"H?" {" } INPUT STR → 'Y' STO
"B°?" {" } INPUT STR → 'Z' STO
"A°?" {" } INPUT STR → 'r' STO
"Demi plat"
"R sin A°" 'X * sin(r)' → NUM PROK
DO CLEAR PROJ
"C°?" {" } INPUT STR → 'r' STO
"Corde"
"2R sin(C°/2)"
'2 * X * sin(r/2)' → NUM PROK CLEAR
"HT = H + (R sin C°) tan B°"
'Y + X * sin(r) * tan(Z)' → NUM PROK CLEAR
"X1 = R cos C°" 'X * cos(r)' → NUM PROK
CLEAR
"Y1 = (R sin C°) / cos B°"
'X * sin(r) / cos(Z)' → NUM PROK
UNTIL r > 360 > END
PROGR TRAC»
```