

# LONGUEUR DEVELOPPEE

## D'UN TUYAU.

CASIO P2-7900GC

127 Bytes.

"LD.TUYAU" J

Rad J

"LT" ? → X J

"RM" ? → Y J

"θ" ? → Z J

"RM2" ? → r J

"θ2" ? → θ J

"JEU.SOUD" ? → A J

"JEU.SOUD2" ? → B J

"LD" J

$$X = (A + B + Y \tan((Z^\circ - \pi) \div 2) + r \tan((\theta^\circ - \pi) \div 2)) \blacktriangleleft$$

$$LT = 2000$$

$$R_m = 20 \quad R_{m2} = 25$$

$$\theta^{\circ} = 270 \quad \theta_2^{\circ} = 220$$

$$J_{\text{eux } 1} = 2 \quad J_{\text{eux } 2} = 3$$

$$\Delta L_1 = 20 \tan \frac{270^\circ - \pi}{2} = 5,358$$

$$\Delta L_2 = 25 \tan \frac{220^\circ - \pi}{2} = 9,099$$

$$\begin{aligned} LD &= LT - (J_{\text{eux } 1} + J_{\text{eux } 2} + \Delta L_1 + \Delta L_2) \\ &= 2000 - (2 + 3 + 5,358 + 9,099) \\ &= 1980,543 \end{aligned}$$

