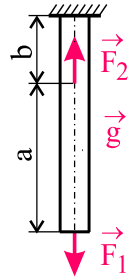

Problem 227

Determine the distribution of inner resultants at the bar of circular cross section in the figure, that is loaded by two isolated forces and distributed gravitational load.

Input values: $F_1 = 1000 \text{ N}$, $F_2 = 500 \text{ N}$,
 $a = 2 \text{ m}$, $b = 1 \text{ m}$,
 $\varnothing d = 60 \text{ mm}$, $g = 10 \text{ ms}^{-2}$, $\rho = 7,8 \cdot 10^3 \text{ kgm}^{-3}$.



inner resultants