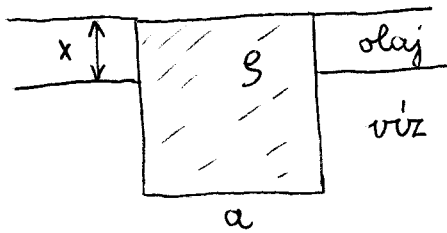


7.)

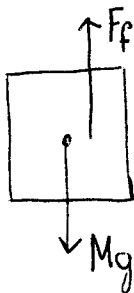
$$a = 30\text{cm} \quad \rho = 0,9\text{g/cm}^3 \quad \rho_v = 1\text{g/cm}^3 \quad \rho_o = 0,7\text{g/cm}^3 \quad x = ?$$



felhajtó erő: $F_f = m_f \cdot g = \rho_f \cdot V_f \cdot g$

$$\vec{a} = \frac{\vec{F}_e}{m}$$

Egyensúly: $\vec{a} = 0 \quad \vec{F}_e = 0$



$$F_f = Mg$$

$$\rho_o a^2 x g + \rho_v a^2 (a-x) g = a^3 \rho g$$

$$\Downarrow$$

$$\underline{\underline{x}}$$