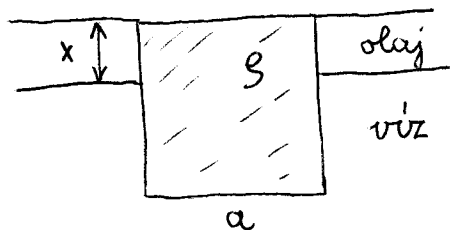


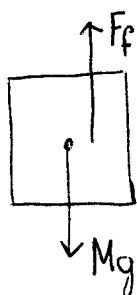
9.)  $a = 30\text{cm}$   $\rho = 0,9\text{g/cm}^3$   $\rho_v = 1\text{g/cm}^3$   $\rho_o = 0,7\text{g/cm}^3$   $x = ?$



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

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

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



$$F_f = Mg$$

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

$$\Downarrow$$

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