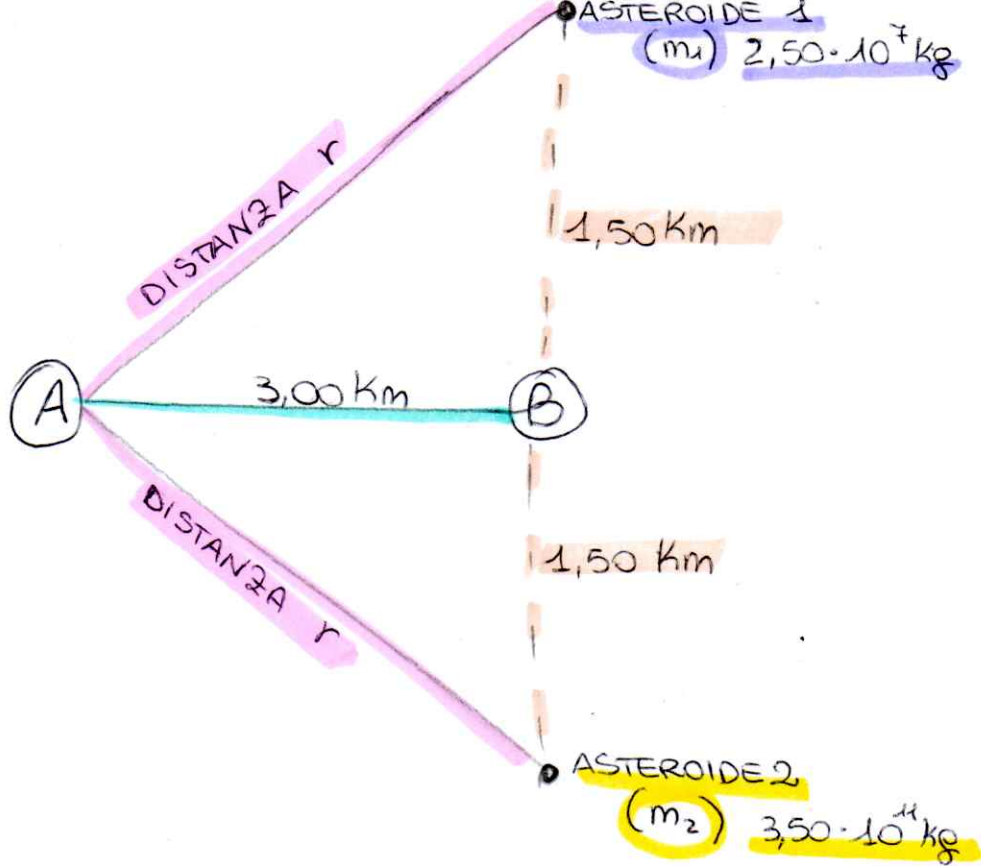




$$AB = 3,00 \text{ km} \Rightarrow 3,00 \cdot 10^3$$

$$m_1 B = m_2 B = 1,50 \text{ km} \Rightarrow 1,50 \cdot 10^3$$

$$\text{DISTANZA } r = \sqrt{(3,00 \cdot 10^3)^2 + (1,50 \cdot 10^3)^2} = \sqrt{(9 \cdot 10^6) + (2,25 \cdot 10^6)} = \sqrt{11,25 \cdot 10^6} = 3,35 \cdot 10^3$$

$$F_g = G \cdot \frac{m_1 \cdot m_2}{r^2} = 6,67 \cdot 10^{-11} \cdot \frac{(3,50 \cdot 10^{11}) \cdot (2,50 \cdot 10^7)}{(3,35 \cdot 10^3)^2} =$$

SEPARIAMO

COEFFICIENTI

$$6,67 \cdot 3,50 \cdot 2,50$$

$$3,50^2$$

$$58,3625$$

$$11,2225$$

$$5,2 \cdot 10^1$$

$$F_{1,2} = 52,0 \text{ N}$$

NOTAZIONE SCIENTIFICA

$$10^{-11} \cdot 10^{11} \cdot 10^7$$

$$10^6$$

$$10^{-11+11+7-6} \Rightarrow 10^1$$