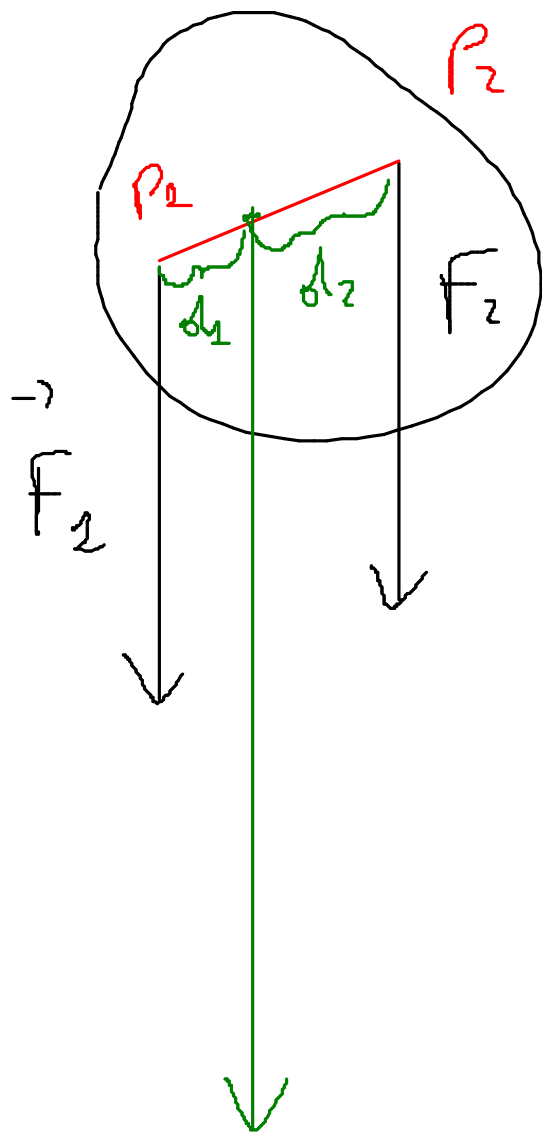


$$F_1 \neq F_2$$

$$F_2 > F_1$$

$$d_1 = d + d_2$$

$$F_1 d_1 = F_2 d_2$$



$$F_1 > F_2 \Rightarrow d_1 < d_2$$

$$d_1 + d_2 = d = 10 \text{ m}$$

$$F_1 = 20 \text{ N}$$

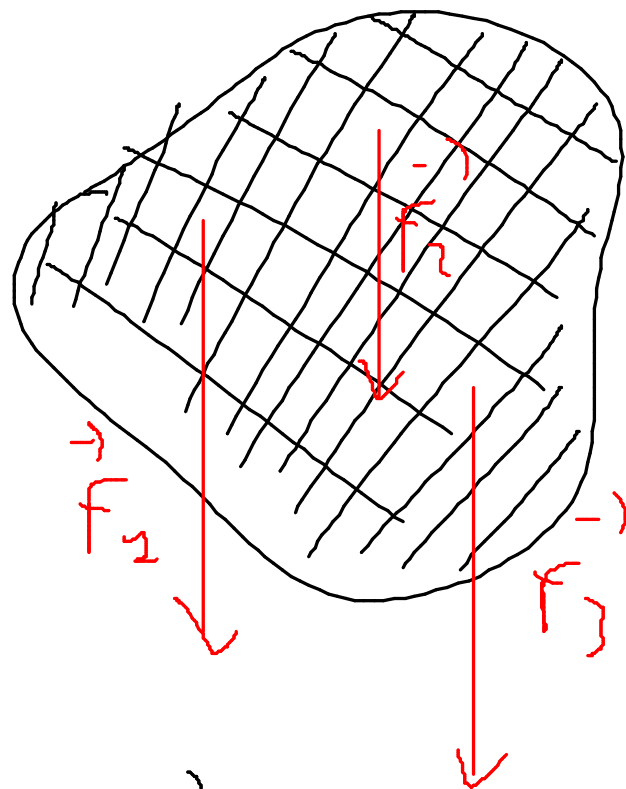
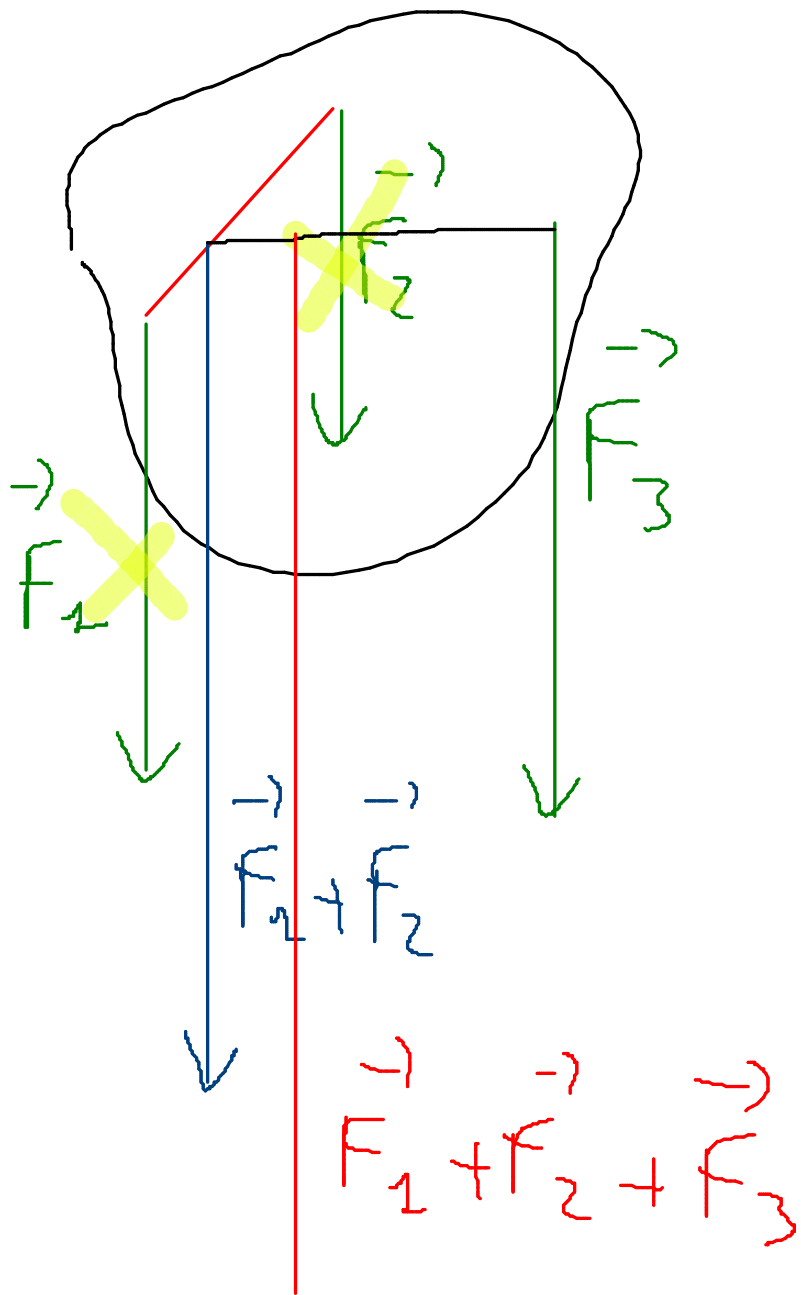
$$F_2 = 15 \text{ N}$$

$$d_1 = x$$

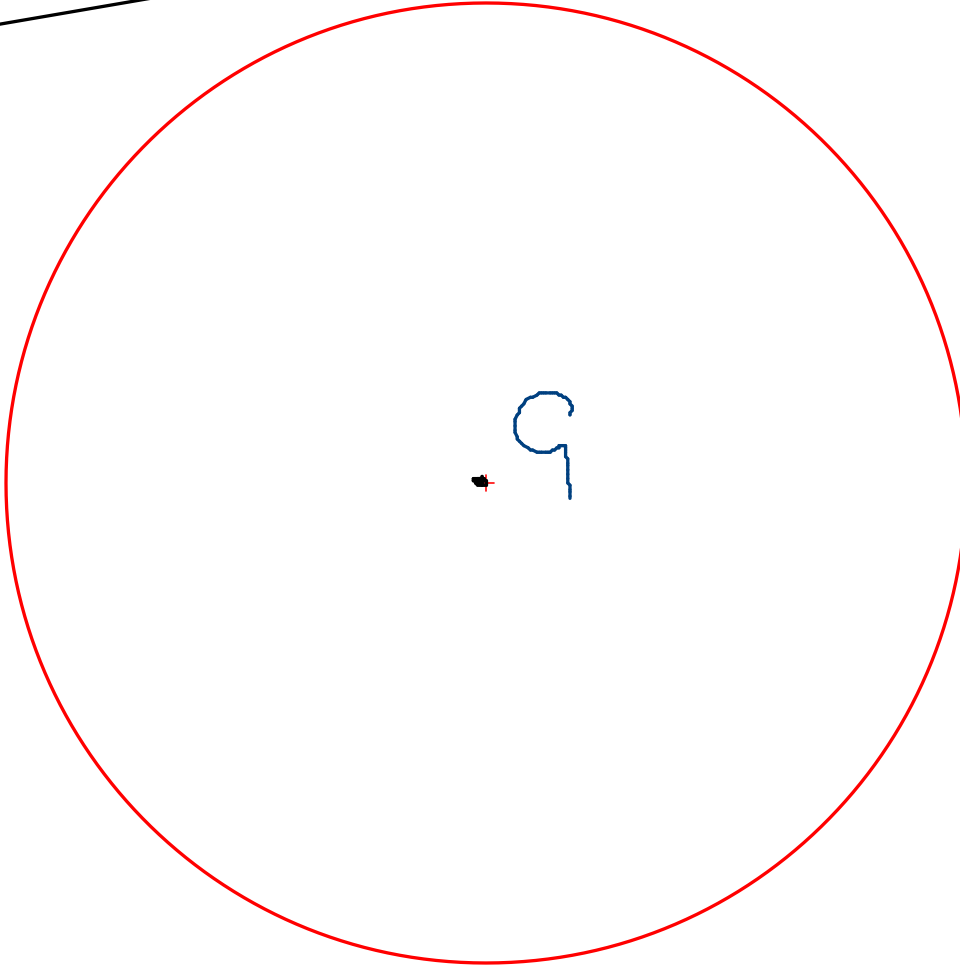
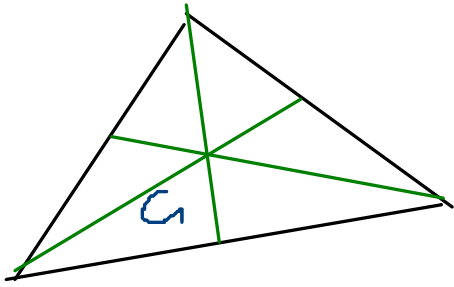
$$d_2 = d - x$$

$$F_1 d_1 = F_2 d_2$$

$$F_1 x = F_2 (d - x)$$



$$\vec{F}_D = \vec{F}_1 + \vec{F}_2 + \vec{F}_3 + \dots$$



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