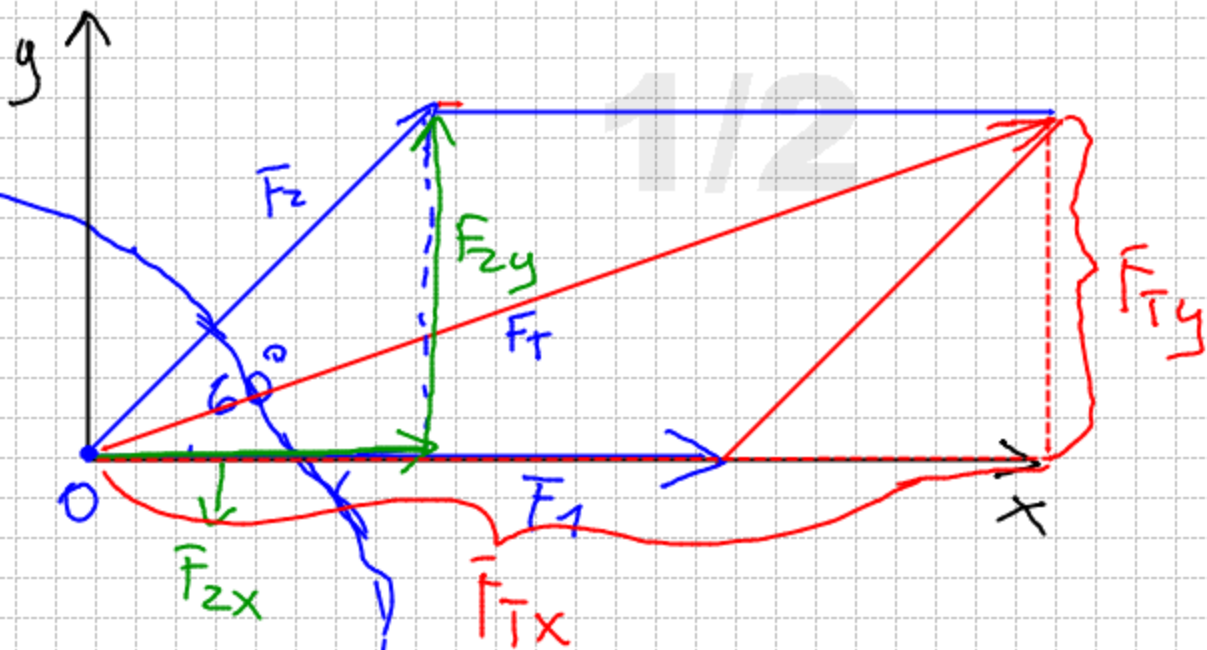


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$$F_1 = 100 \text{ N}$$

$$F_2 = 60 \text{ N}$$

$$\alpha = 60^\circ$$



$$F_{1x} = 100$$

$$F_{1y} = 0$$

$$F_{2x} = F_2 \cos 60^\circ = 30$$

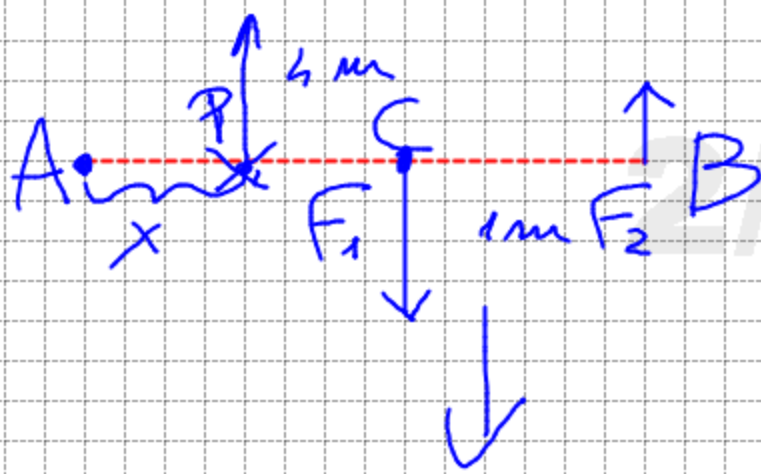
$$F_{2y} = F_2 \sin 60^\circ = 51,6$$

$$F_{Tx} = 130$$

$$F_{Ty} = 51,6$$

$$F_T = \sqrt{(130)^2 + (51,6)^2} = 140 \text{ N}$$

15)



$$L = 4\text{ m}$$

$$F_1 = 100\text{ N}$$

$$F_2 = 60\text{ N}$$

$$F_R = F_1 - F_2 = 40\text{ N}$$

$$CB = 1\text{ m}$$