

$$\sum F_H = 0$$

$$500 + H_A = 0$$

$$H_A = -500 \text{ N}$$

$$\sum M_A = 0$$

$$V_C \times 2 = 500 \times 2$$

$$V_C = 500$$

$$\sum F_V = 0$$

$$V_A + V_C = 0$$

$$V_A = -V_C$$

$$V_A = -500$$



$$F = \frac{K}{A}$$

$$V_A + V_C = 0$$

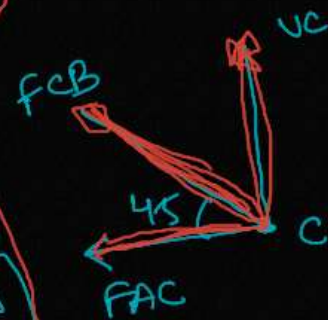
$$V_A = -V_C$$

$$M_C = 0$$

$$V_A \times 2 = 500 \times 2$$

$$V_A = 500$$

$$\sum F_V = 0$$



$$F_{CB} \cos 45^\circ + F_{AC} = 0$$

$$F_{CB} = \frac{F_{AC}}{\cos 45^\circ} = \frac{-500}{\cos 45^\circ}$$

$$F_{CB} = -707.1 \text{ N}$$

$$\sum F_V = 0$$

$$H_A + F_{AC} = 0$$

$$F_{AC} = -H_A = 500 \text{ N}$$

$$F_{AB} + V_A = 0$$

$$F_{AB} = -V_A = -500 \text{ N}$$

$$F_{AB} = 500 \text{ N}$$