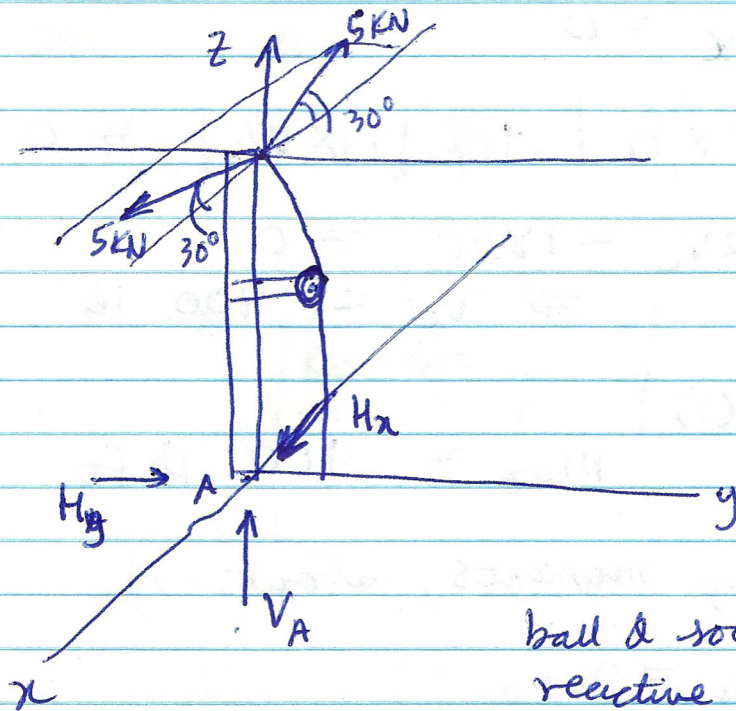


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ball & socket has no reactive moment decos member is free to rotate !

$$\sum F_x = 0$$

$$H_x + 5 \cos 30 - 5 \cos 30 = 0$$

$$H_x = 0$$

$$\sum F_y = 0$$

$$H_y - 5 \sin 30 - 5 \sin 30 = 0$$

$$H_y = 2.5 \sin 30 = 5 \text{ kN}$$

$$\sum F_z = 0$$

$$V_A = 0$$