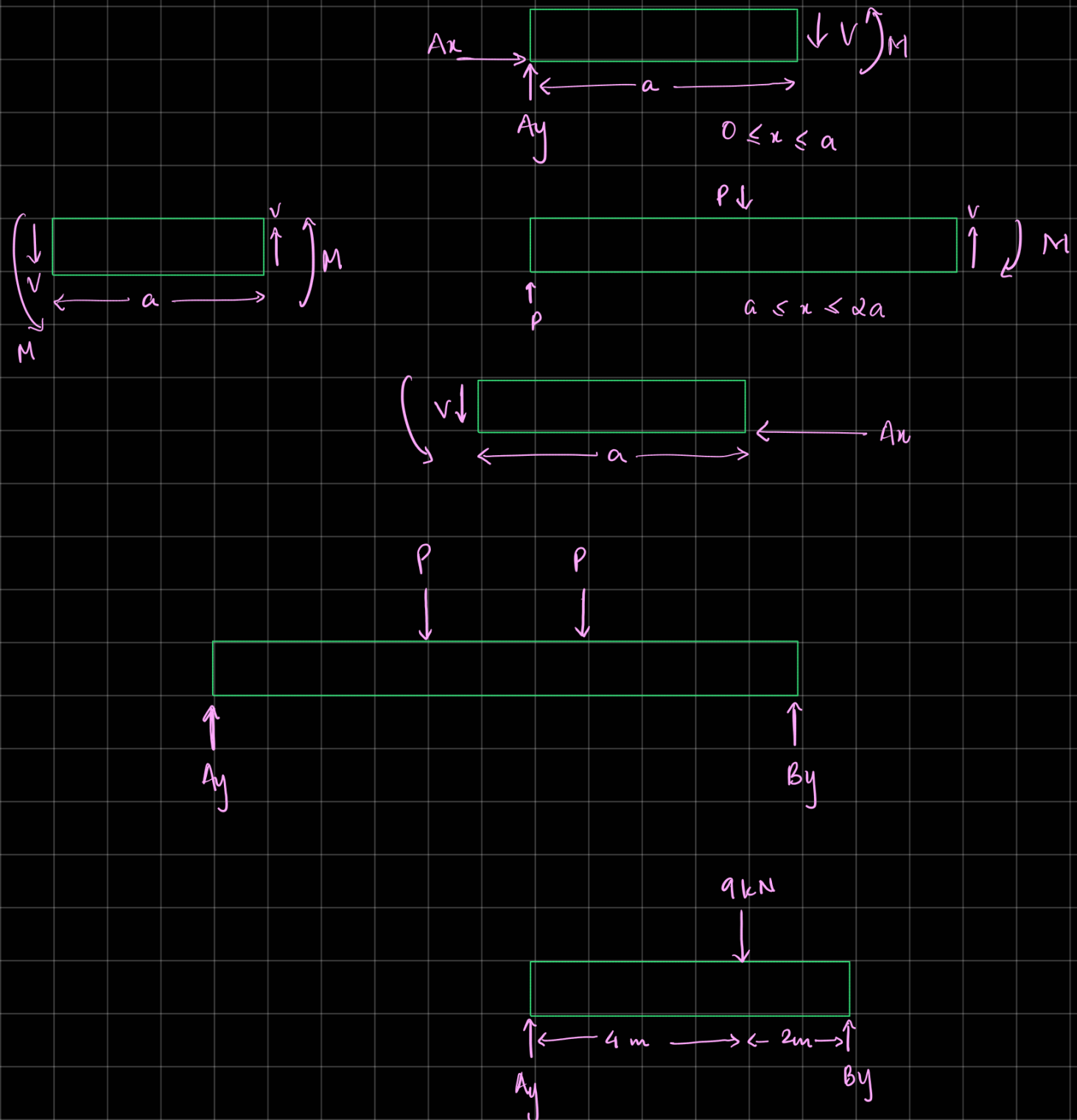


To find centre mass position of triangle
you find centroid

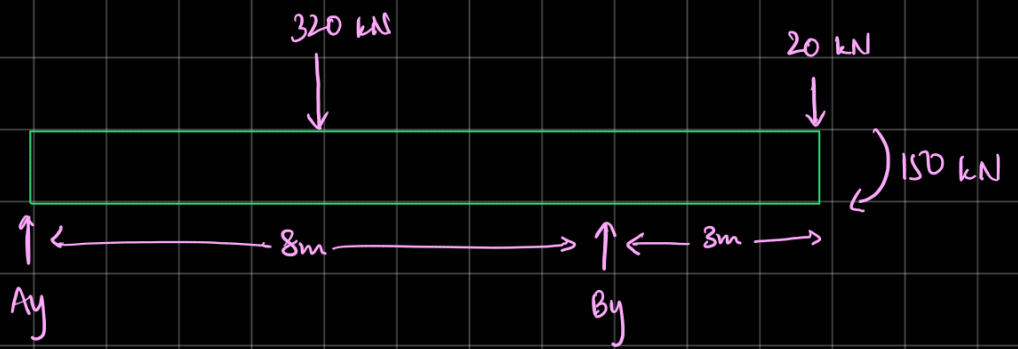
$$= \frac{1}{3} (\text{height of triangle})$$

↳ from the base



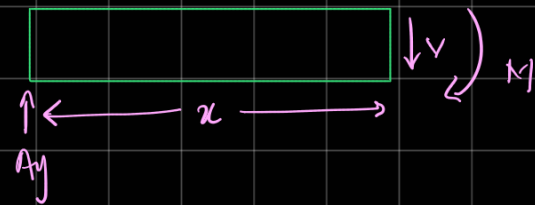
$$\sum M = 0$$

$$3P + 2B_y$$



$$A_y + B_y = 340 \text{ kN}$$

$$\sum M = 0$$



$$0 \leq x < 4$$

$$A_y = V$$

$$M = A_y x$$