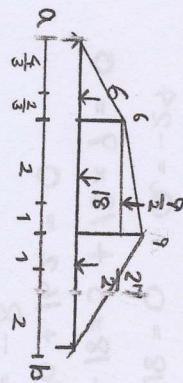
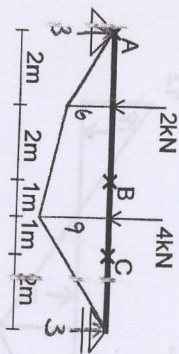


(2)



$$a + b - 6 - 18 - \frac{9}{2} - \frac{27}{2} = 0$$

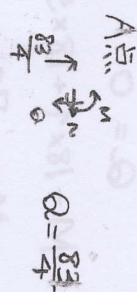
$$a + b - 42 = 0$$

$$8 + 63 + 18 + 81 + 81 - 8b = 0$$

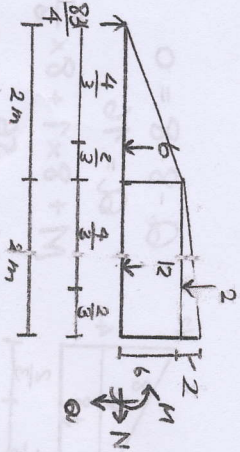
$$170 - 8b = 0$$

$$b = \frac{170}{8} = \frac{85}{4}$$

$$a = \frac{83}{4}$$



B点



$$Q - \frac{83}{4} + 6 + 12 + 2 = 0$$

$$Q = \frac{83}{4} - \frac{80}{4} = \frac{3}{4}$$

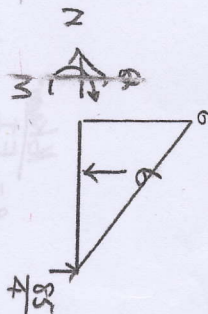
$$M - \frac{83}{4} \times 4 + 6 \times \frac{9}{2} + 12 \times 1 + 2 \times \frac{2}{3} = 0$$

$$M - 83 + 16 + 12 + \frac{4}{3} = 0$$

$$M - \frac{249}{3} + \frac{8}{3} = 0$$

$$M = \frac{161}{3}$$

C点



$$Q + \frac{85}{4} - 6 = 0$$

$$Q = -\frac{61}{4}$$

$$M + 6 \times \frac{2}{3} + \frac{85}{4} \times 2 = 0$$

$$M + 4 - \frac{2 \times 85}{2} = 0 \Rightarrow M = \frac{177}{2}$$

$$Q_1 = \frac{83 \text{ km}^2}{4EI}$$

$$Q_2 = \frac{3 \text{ km}^2}{4EI}$$

$$Q_3 = \frac{161 \text{ km}^2}{3EI}$$

$$Q_4 = \frac{61 \text{ km}^2}{4EI}$$

$$Q_5 = \frac{177 \text{ km}^2}{2EI}$$

$$Q_6 = \frac{161 \text{ km}^2}{3EI}$$

$$Q_7 = \frac{177 \text{ km}^2}{2EI}$$