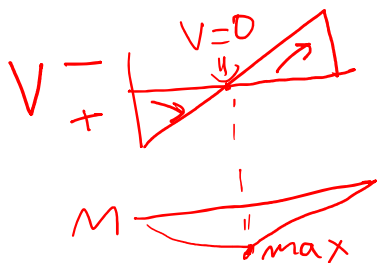


# 技術系問題演習講座 総合職 土木

2019年 国家総合職 農業農村工学 No.16  
(+機械, 建築)

①  $M(x)$  を求め微分する  $\rightarrow$  端合分す

②  $M_{max} \rightarrow V=0$

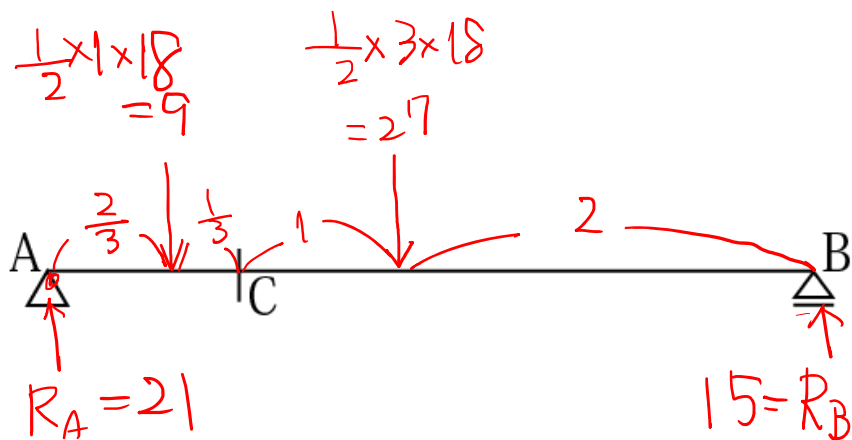
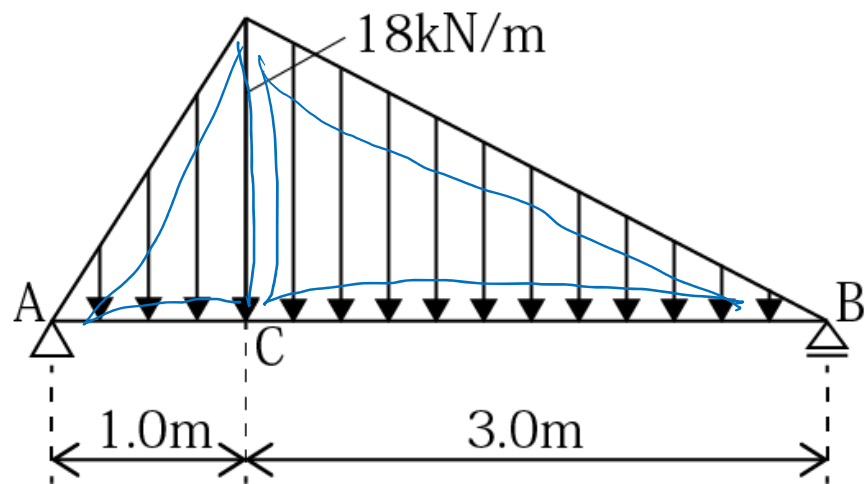


o A 型).

$$R_B \times 4 = 9 \times \frac{2}{3} + 27 \times 2$$

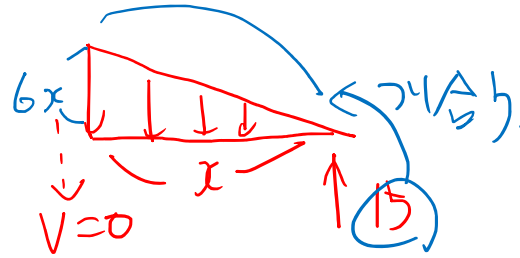
$$= 6 + 54 = 60$$

$$R_B = 15 \text{ kN}, R_A = 36 - 15 = 21$$



$$\frac{1}{2} \times 6x + x = 15$$

$$x = \sqrt{5}$$

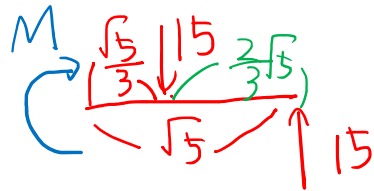


⇓

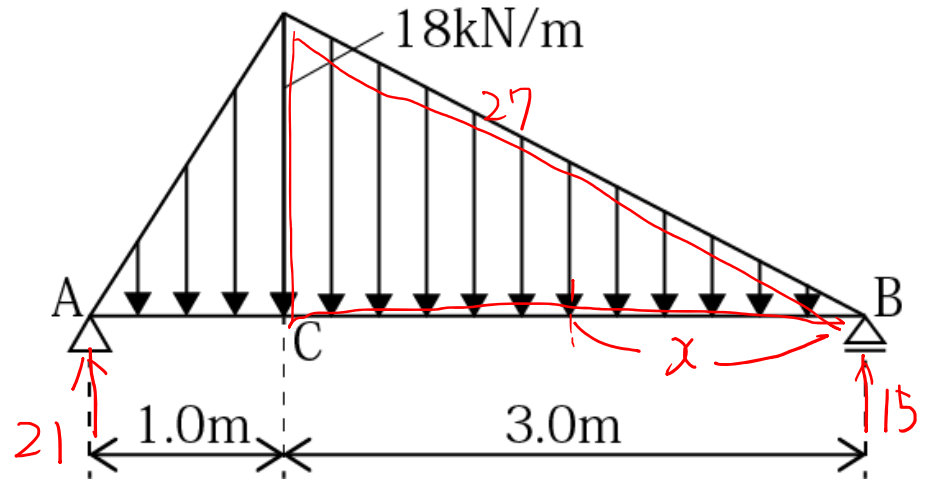
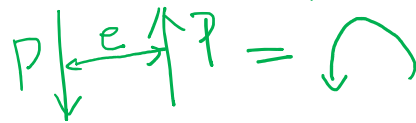
$$M = 15 \times \sqrt{5} - 15 \times \frac{\sqrt{5}}{3}$$

$$= 10\sqrt{5} = 22.3 \text{ kNm}$$

桁2 //



偶力



$$M = 15 \times \frac{2\sqrt{5}}{3} = 10\sqrt{5} //$$

集積力×x

$$M = Pe$$