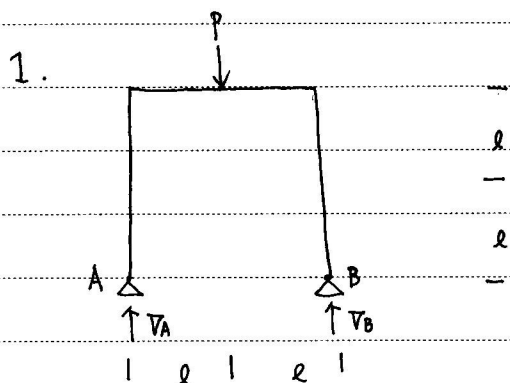


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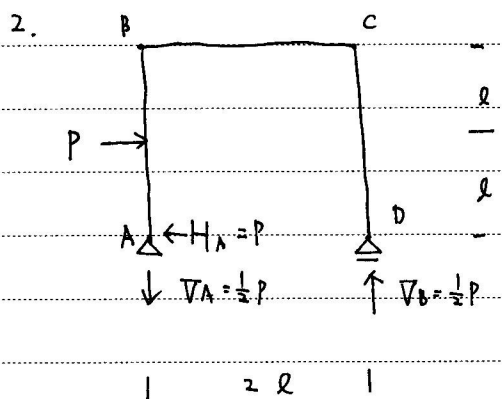
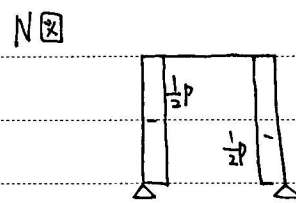
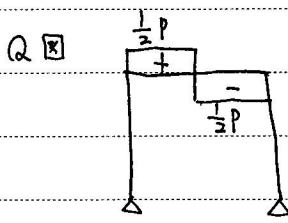
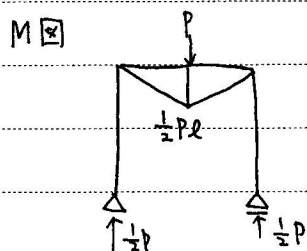


$$V_A + V_B = P$$

$$\sum M_A = P \cdot l - V_B \cdot 2l = 0$$

$$V_B = \frac{1}{2} P$$

$$V_A = \frac{1}{2} P$$

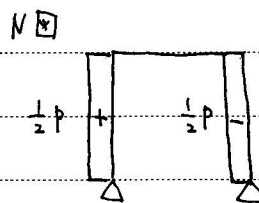
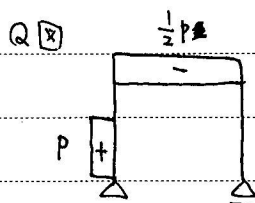
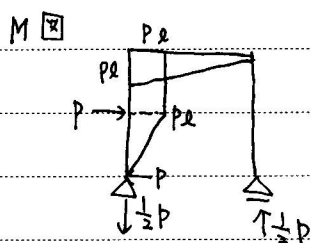


$$H_A = P$$

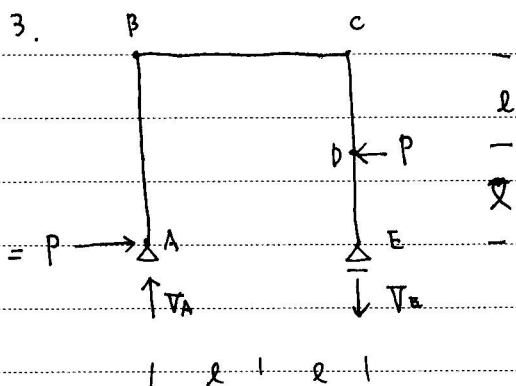
$$V_A - V_B = 0$$

$$\sum M_A = P \cdot l - V_B \cdot 2l = 0$$

$$V_B = \frac{1}{2} P, V_A = \frac{1}{2} P$$



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$$H_A = P$$

$$V_A + V_E = 0$$

$$\sum M_E = P \cdot l - V_A \cdot 2l = 0$$

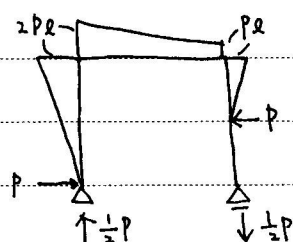
$$V_A = \frac{1}{2}P,$$

$$V_E = \frac{1}{2}P$$

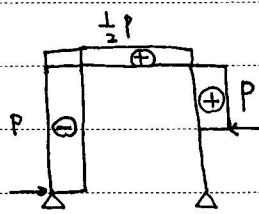
$$M_B = P \cdot 2l = 2Pl$$

$$M_C = M_B - \frac{1}{2}P \cdot 2l = Pl$$

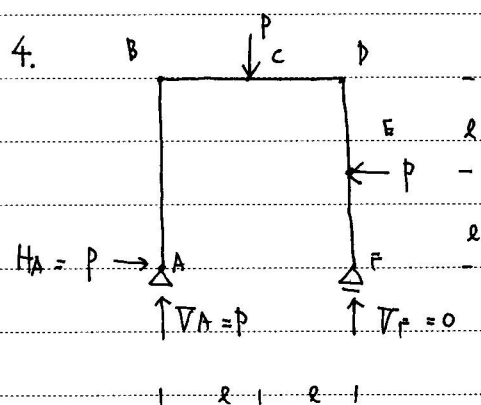
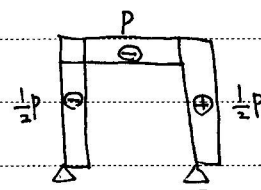
M



Q



N



$$H_A = P$$

$$V_A + V_F = P$$

$$\sum M_A = P \cdot l - P \cdot l - V_F \cdot 2l = 0$$

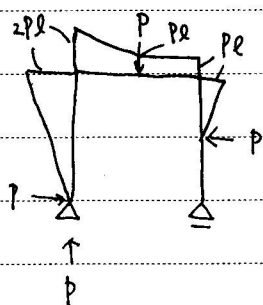
$$V_F = 0, V_A = P$$

$$M_B = P \cdot 2l = 2Pl$$

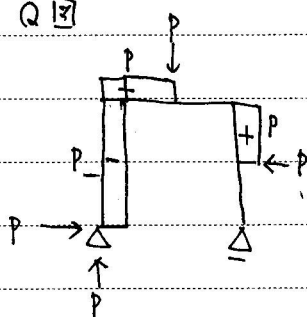
$$M_C = 2Pl - P \cdot l = Pl$$

$$M_D = Pl$$

M



Q



N

