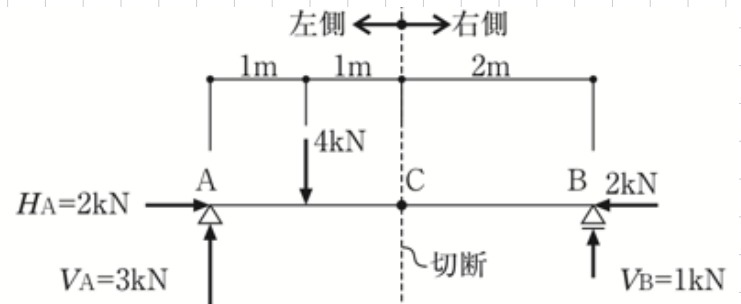
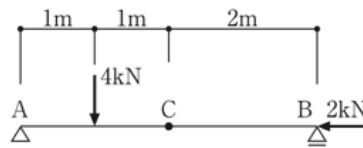


text 39

例題 1

C 点の応力（軸方向力、せん断力、
曲げモーメント）を求めよ。



軸応力

$$N_{\text{左}} = H_A = 2\text{kN} \quad N_{\text{右}} = -2\text{kN}$$

$$N_C = \ominus 2\text{kN} \quad \text{圧縮}$$

せん断応力

$$Q_{\text{左}} = 3\text{kN} - 4\text{kN} = -1\text{kN} \quad Q_{\text{右}} = 1\text{kN}$$

$$Q_C = \ominus 1\text{kN} \quad \text{左下り}$$

曲げ応力

$$M_{\text{左}} = 3\text{kN} \times 2\text{m} - 4\text{kN} \times 1\text{m} = 2\text{kN} \cdot \text{m} \quad M_{\text{右}} = -1\text{kN} \times 2\text{m} = -2\text{kN} \cdot \text{m}$$

$$M_C = 2\text{kN} \cdot \text{m} \quad \text{下凸}$$

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例題 2 N図、Q図、M図を描け

