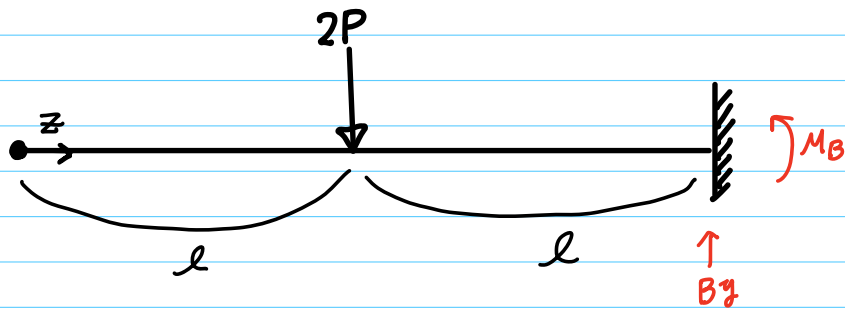


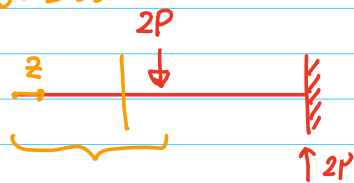
小テスト第6回



解答: 問1

$$\uparrow \Sigma: B_y - 2P = 0 \quad B_y = 2P$$

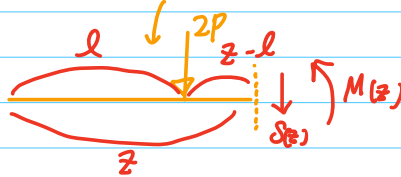
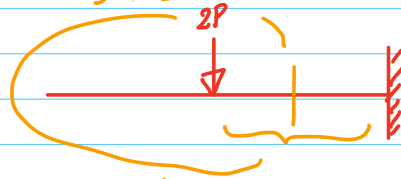
$$0 \leq z \leq l$$



$$\downarrow \Sigma: S(z) = 0$$

$$\downarrow M: M(z) = 0$$

$$l \leq z \leq 2l$$



$$\downarrow \Sigma: 2P + S(z) = 0 \quad S(z) = -2P$$

$$\downarrow M: M(z) + 2P(z-l) = 0$$

$$M(z) = -2P(z-l)$$

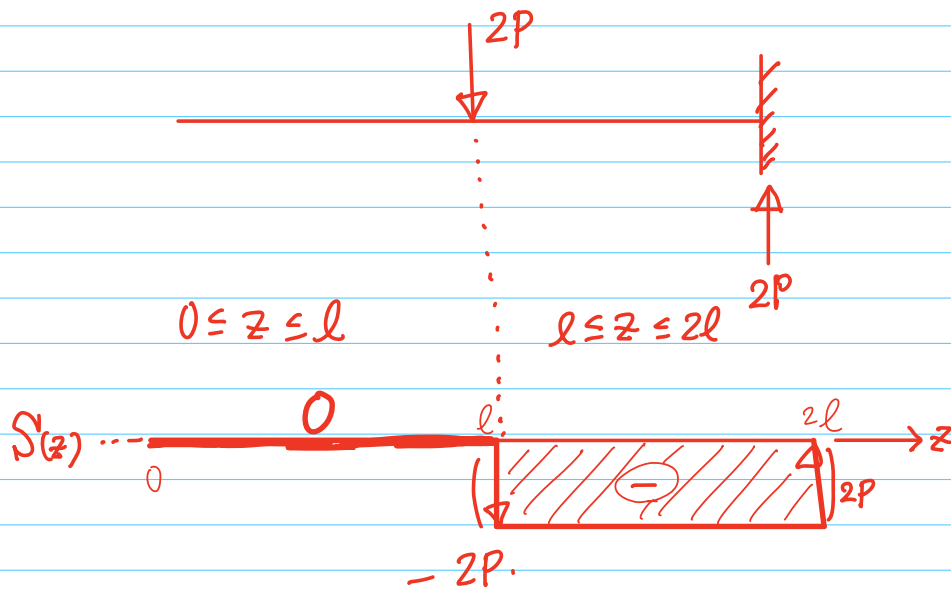
$$S'(z) = \begin{cases} 0 & (0 \leq z \leq l) \\ -2P & (l \leq z \leq 2l) \end{cases}$$

問2: $M(z)$ を求める

$$M(z) = \begin{cases} 0 & (0 \leq z \leq l) \\ -2P(z-l) & (l \leq z \leq 2l) \end{cases}$$

問3: S 図

$$S(z) = \begin{cases} 0 & (0 \leq z \leq l) \\ -2P & (l \leq z \leq 2l) \end{cases}$$



問4: M 図

$$M(z) = \begin{cases} 0 & (0 \leq z \leq l) \\ -2P(z-l) & (l \leq z \leq 2l) \end{cases}$$

