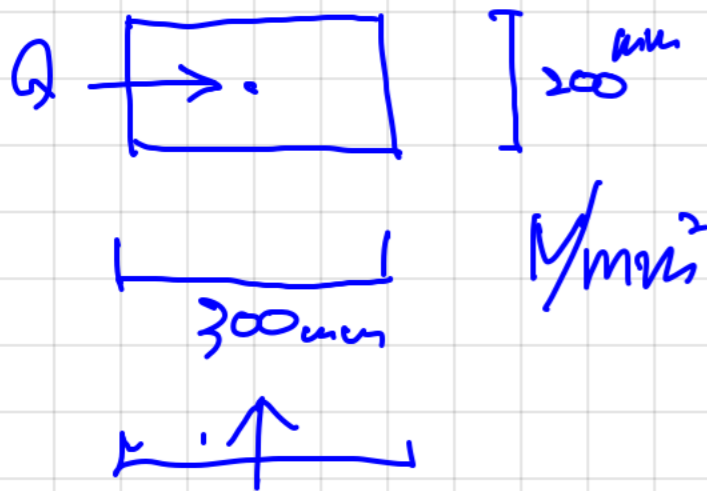
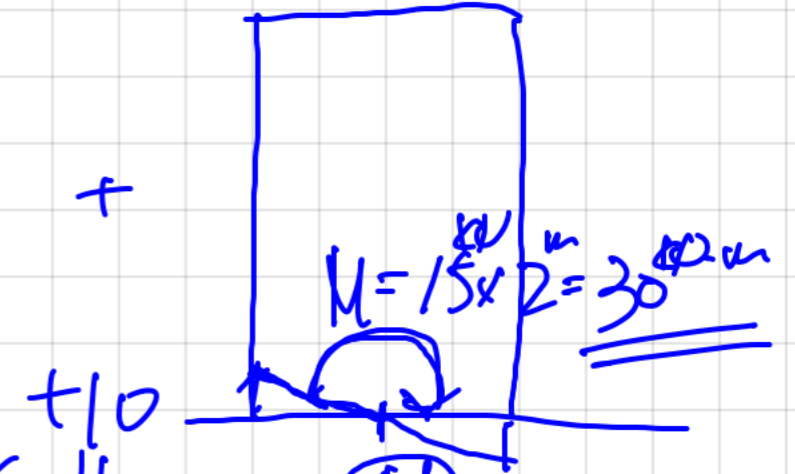
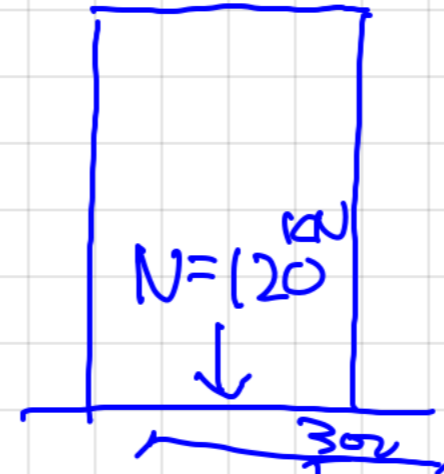
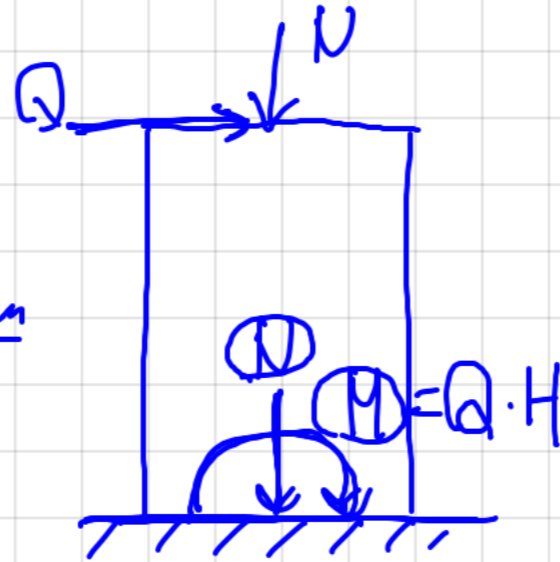
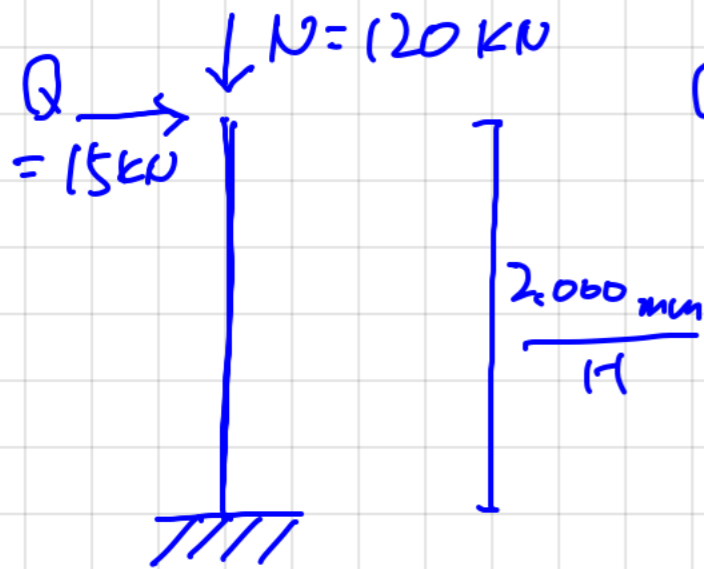


平成29年NO.1

引張線中心の応力と圧縮線中心の応力を求める

II-31f



$$\frac{-120 \text{ kN}}{A} = \frac{-120 \times 10^3 \text{ N}}{200 \times 300}$$

$$= \frac{-12}{6} = -2 \text{ N/mm}^2$$

$$Z = \frac{200 \times 300^2}{6} = \frac{18}{6} \times 10^6$$

$$= 3 \times 10^6 \text{ mm}^3$$

$$\frac{M}{Z} = \frac{30 \times 10^6 \text{ N} \cdot \text{mm}}{3 \times 10^6 \text{ mm}^3} = 10 \text{ N/mm}^2$$

