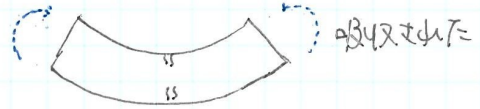
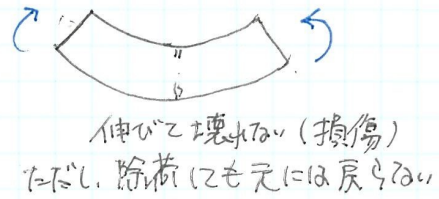
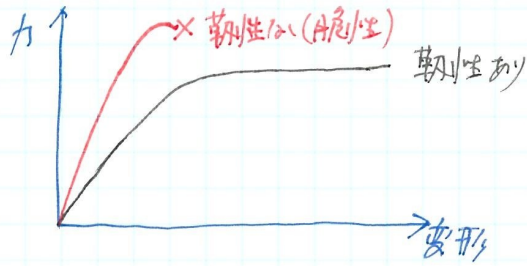


靱性：粘り強さ

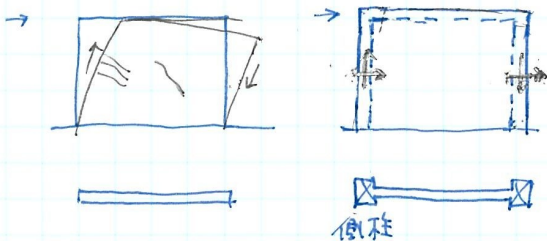
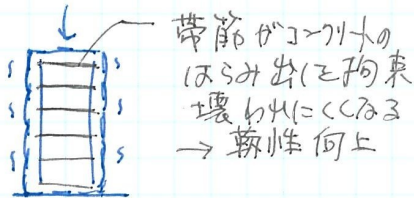
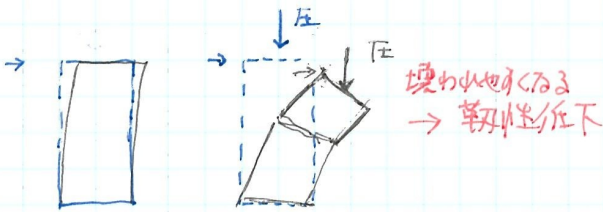


★ 脆性破壊の防止 = 靱性を高める
せん断破壊
付着割裂破壊
圧縮破壊

耐力・強度 \geq 生じる力・応力

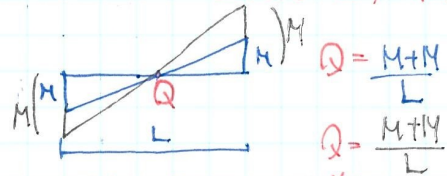
$$\frac{\text{耐力・強度}}{\text{耐力・強度}} \geq \frac{\text{生じる力・応力}}{\text{耐力・強度}}$$

$$\frac{\text{耐力・強度}}{\text{耐力・強度}} \geq \frac{\text{生じる力・応力}}{\text{耐力・強度}} \Rightarrow \text{生じる力・応力} < \text{耐力・強度} \Rightarrow \text{靱性向上}$$

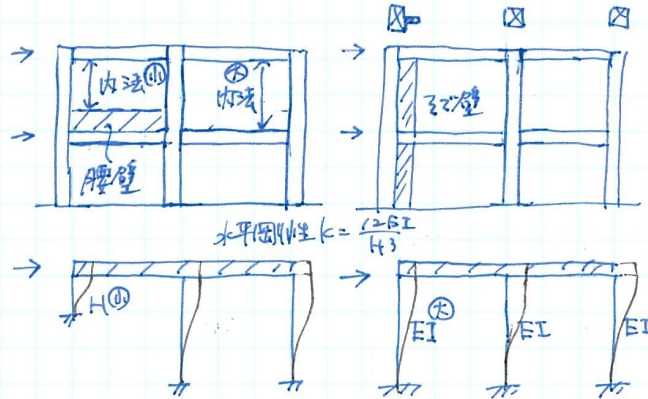


主筋：増 \rightarrow 曲げ耐力：増

生じるせん断力 (応力) = 増



耐力・強度を増やす必要あり (増)
コンクリート強度 (増)
せん断補筋 (増)



負担 $Q \uparrow$ $Q \downarrow$ $Q \downarrow$ 負担 $Q \uparrow$ $Q \downarrow$ $Q \downarrow$
 \rightarrow 靱性不足と壊れ (也可なり)