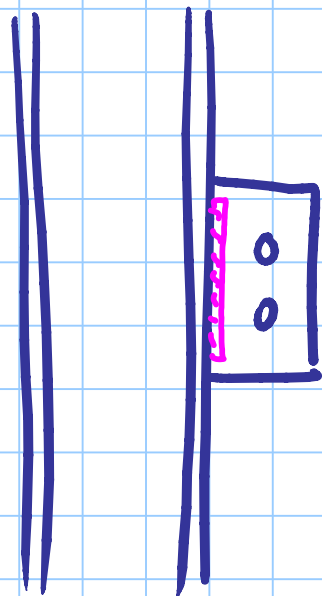


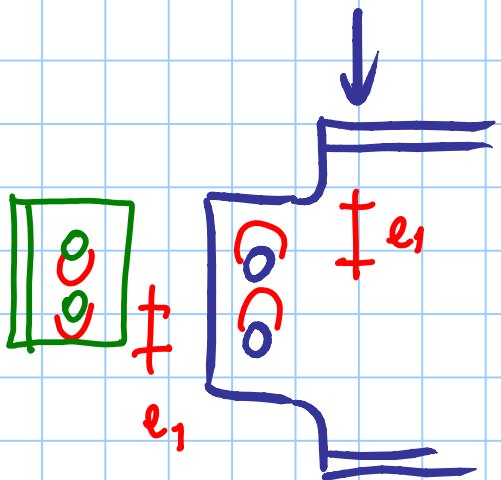
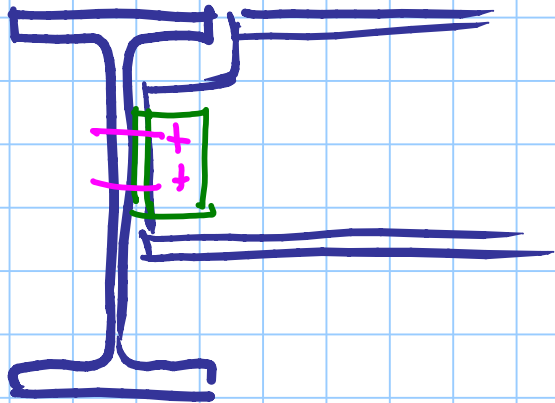
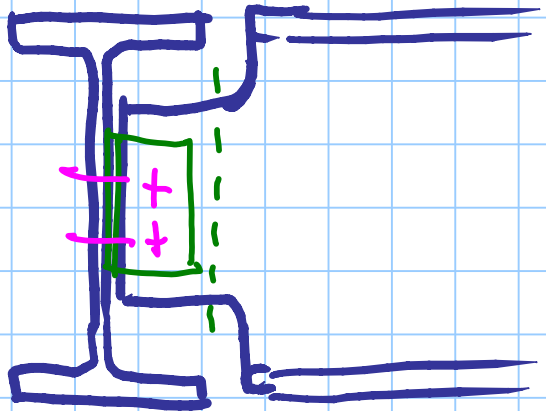
$$V_{Rd} = A \frac{f_y / \sqrt{3}}{\gamma_{M0}}$$

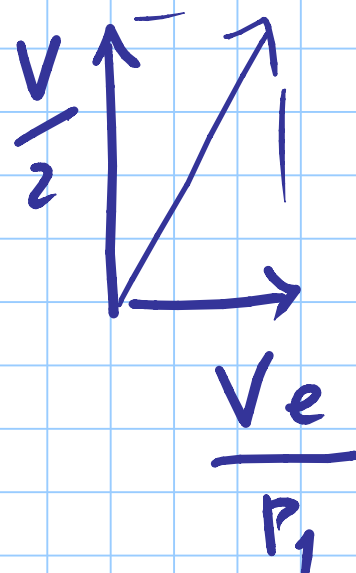
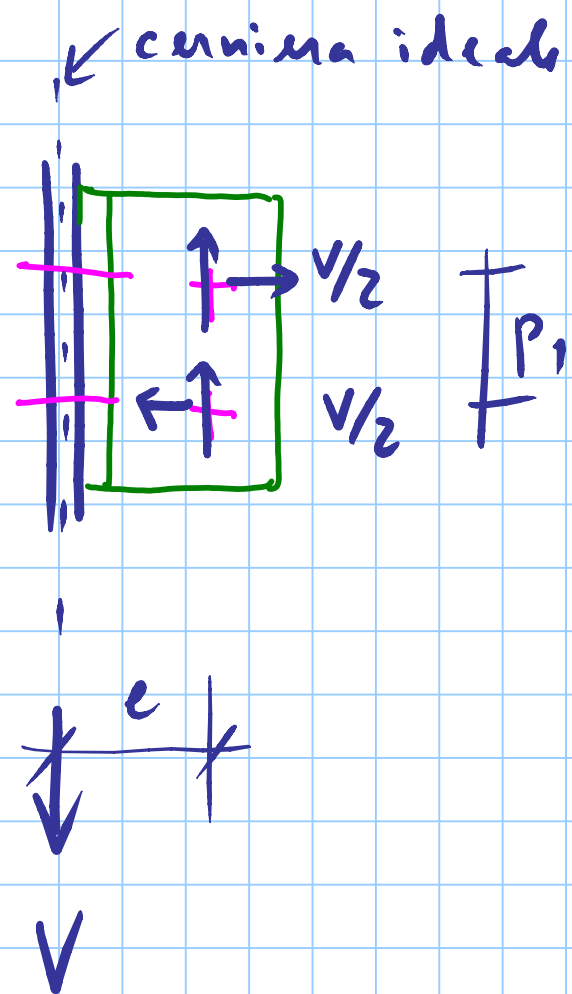
$$0.9 A_{net} \frac{f_u / \sqrt{3}}{\gamma_{M2}}$$

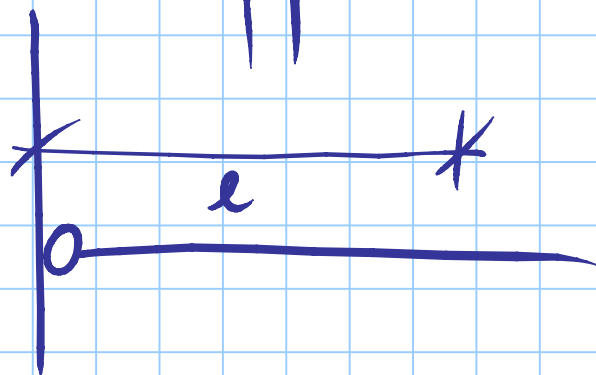
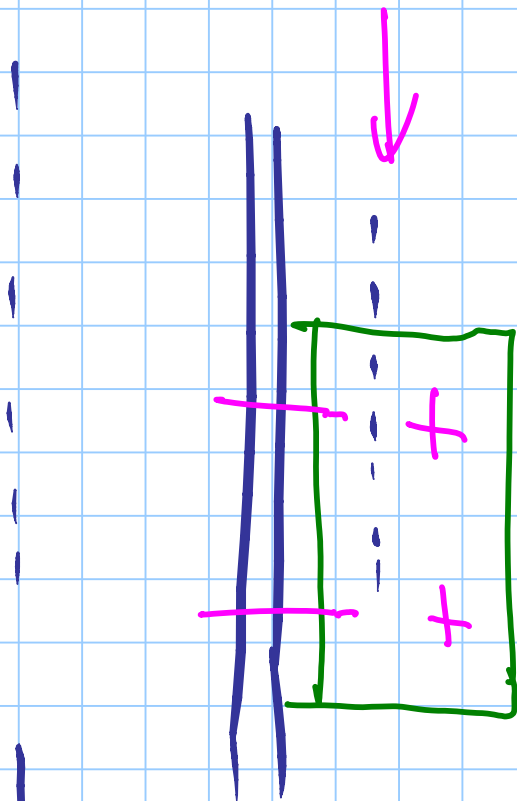


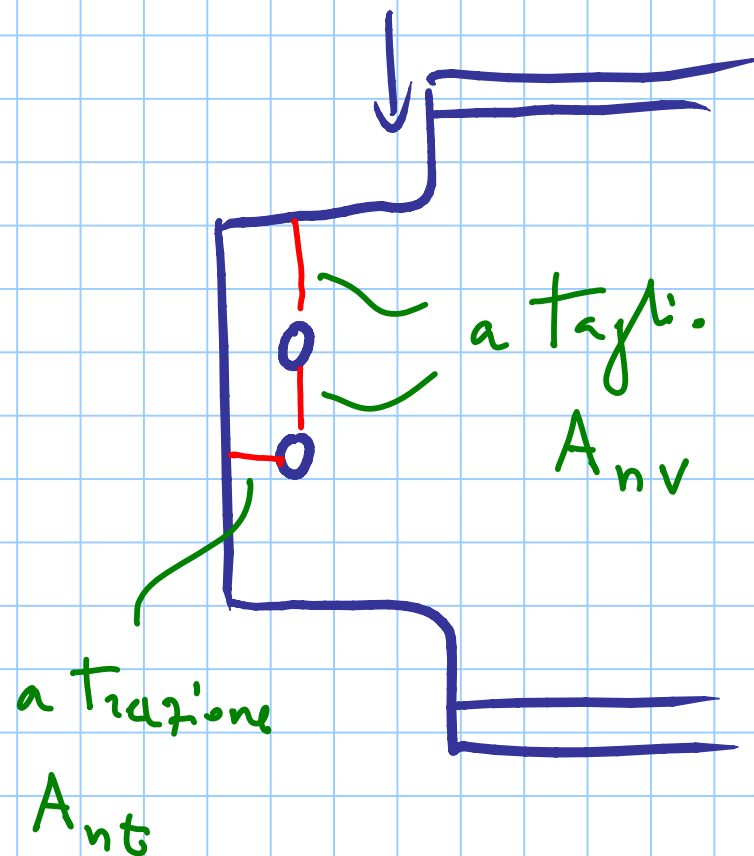
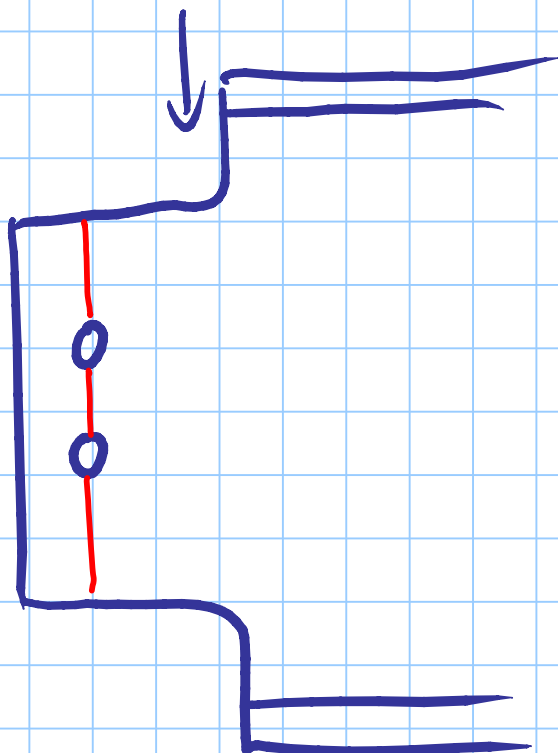
meno comune

piatto saldato alle colonne







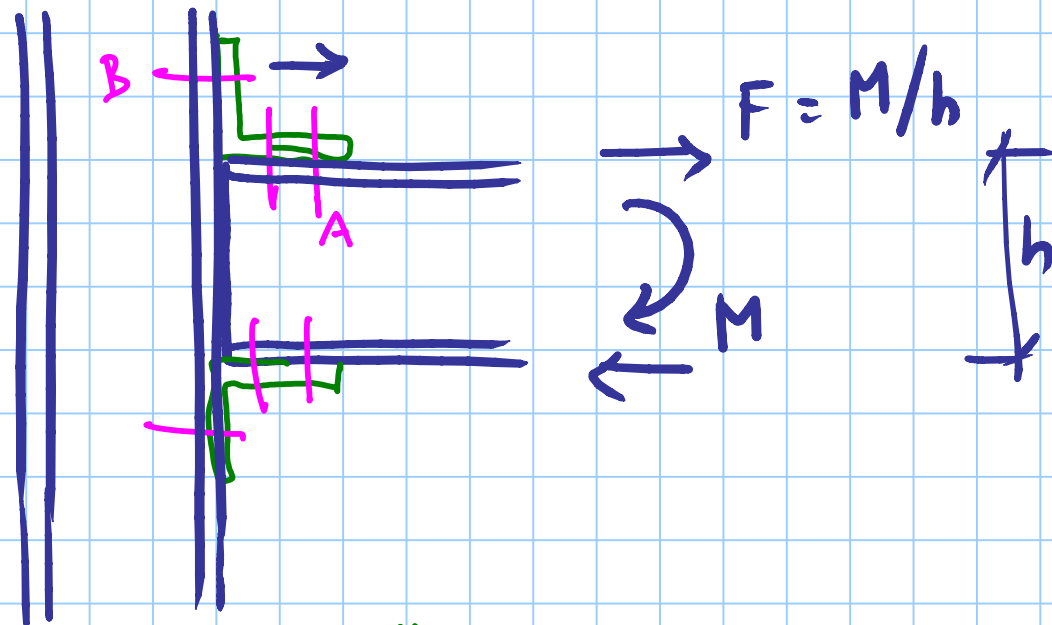


possibile linea di rottura

$$resistance = A_{nt} \frac{f_u}{\gamma_{m2}} + A_{nv} \frac{f_y / \sqrt{3}}{\gamma_{m2}}$$

BLOCK TEARING

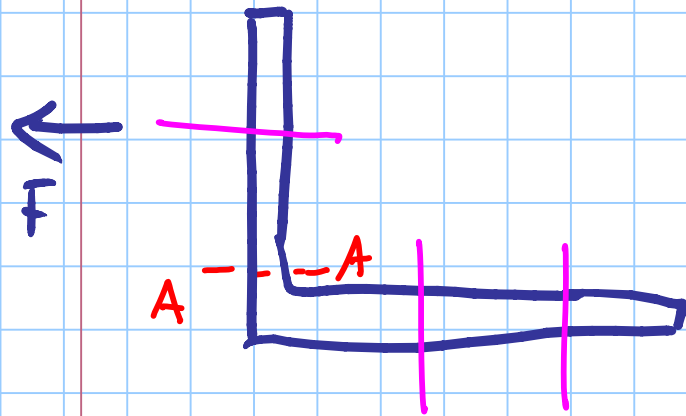




+ angolo d'azione

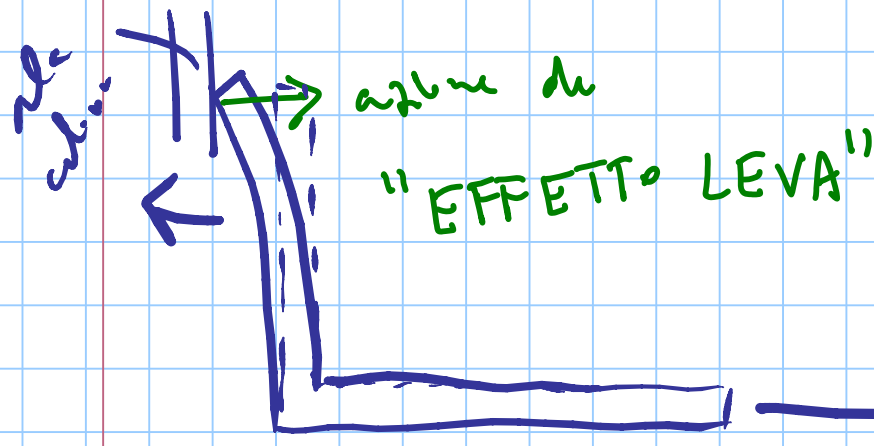
- 4) progett. B a Trazione
- 5) verifica a punzonamento

- 1) dimensioni A a Trazione
- 2) calcolo distanze e p. di verifica e allungamento
- 3) verifica a Trazione d'angolo (azione interna e azione foreta)



Flessione flessione nell'angolo

6) verifica A-A a flessione

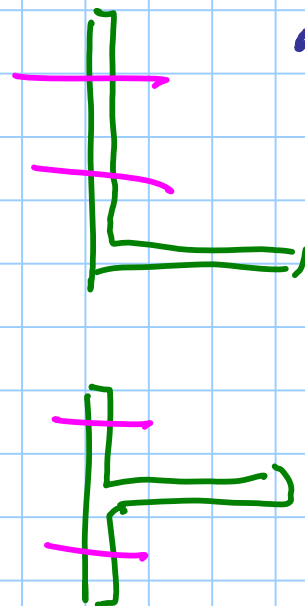
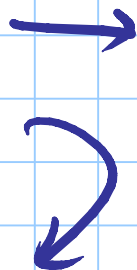
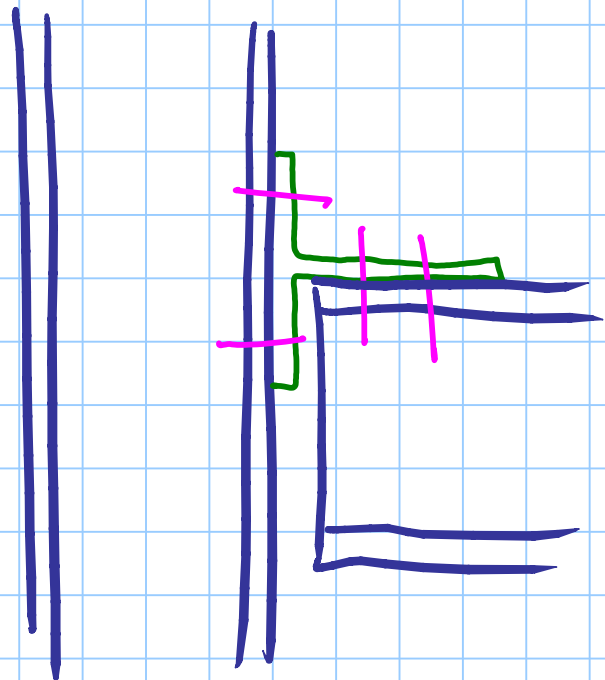


7) come influisce la deformazione dell'angolo

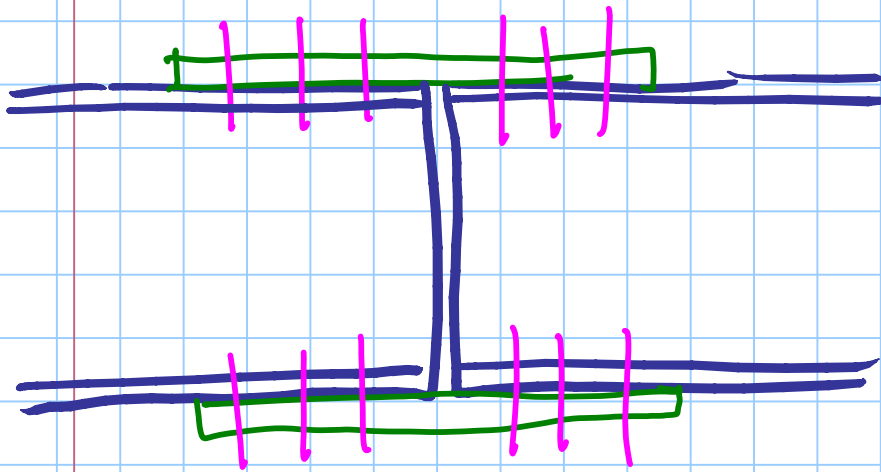
EFFETTO LEVA

aumenta la trazione nel bullone

riduce la flessione nell'angolo



ale più  
solicitazioni  
e flessione



+  $p_{\pi^0} \vec{W}_i$  d'angle

COLLEGAMENTI

FLANGIATI

comp. tutti per M

più forte per solo V

vincolo molto  
alle rotazioni

collegamento Tra flange a 2 ruote consecutive  
in p.i di rotazione

