

Corso di laurea in Ingegneria civile strutturale e geotecnica

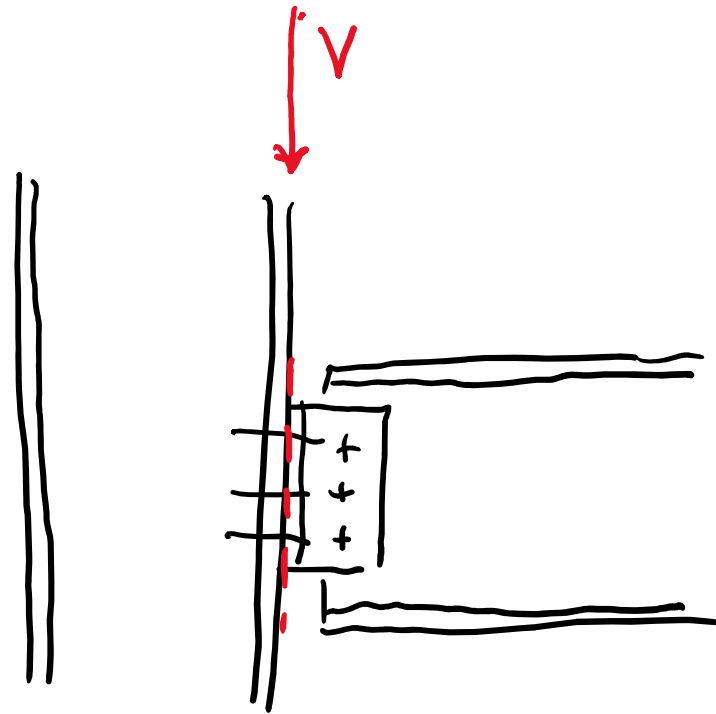
Tecnica delle costruzioni

modulo A

27 – Esempi di collegamento

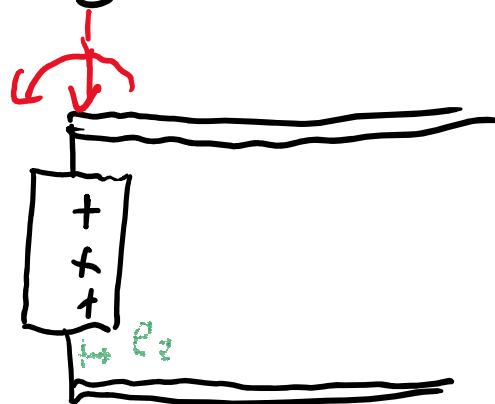
Aurelio Gheresi

15/12/2020

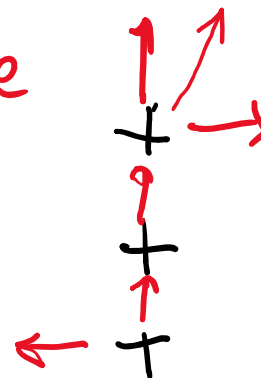


trave \rightarrow angolare
angolare \rightarrow colonna

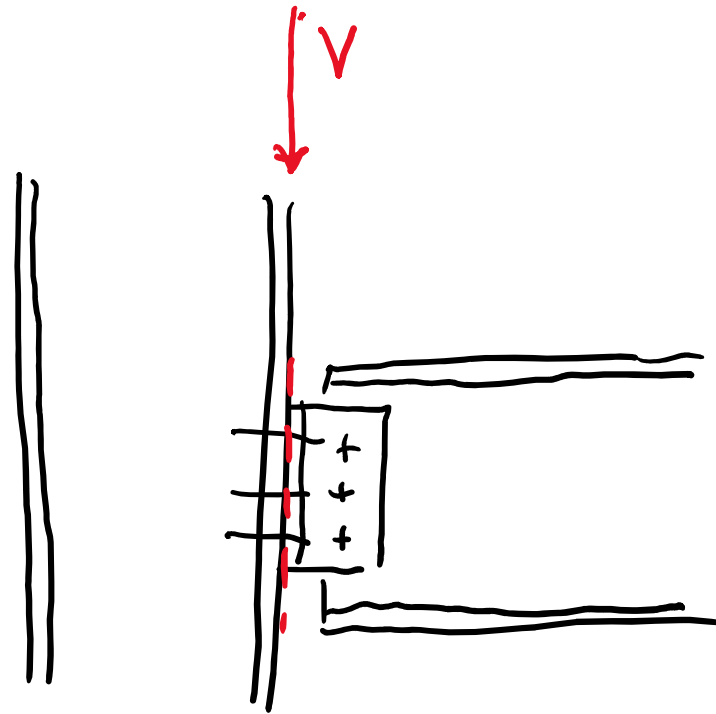
trave - angolare



V
 $M = V \cdot e$

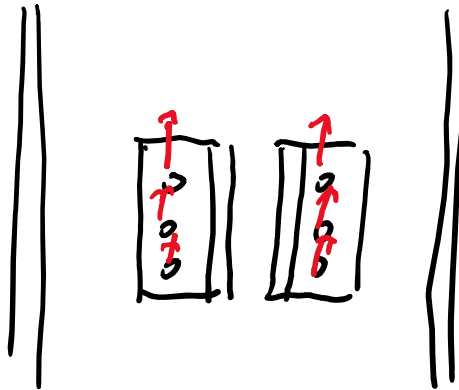
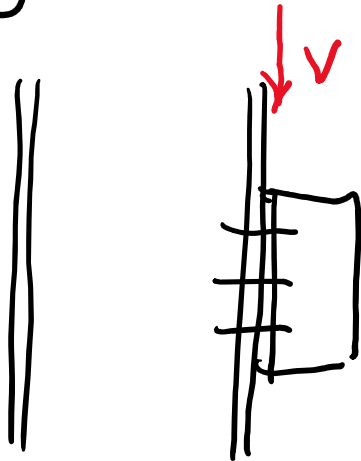


entrambe le forze
sono taglianti
per il bullone



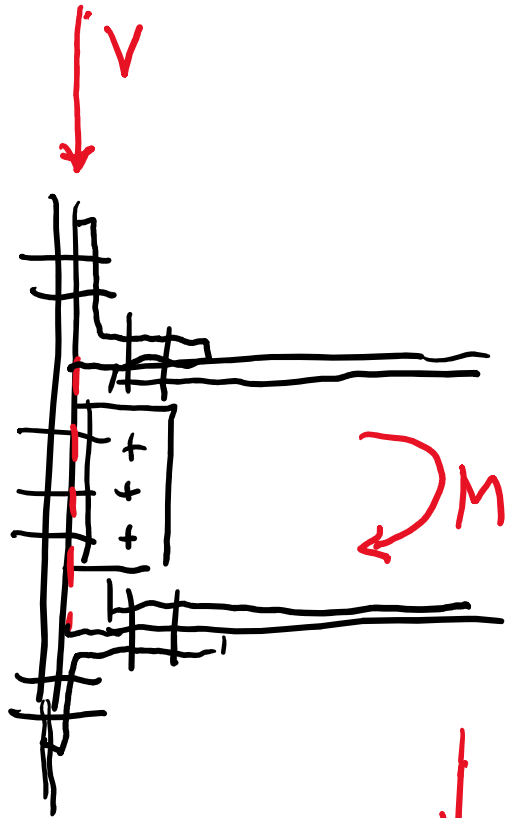
trave \rightarrow angolare
angolare \rightarrow colonna

angolare - colonna

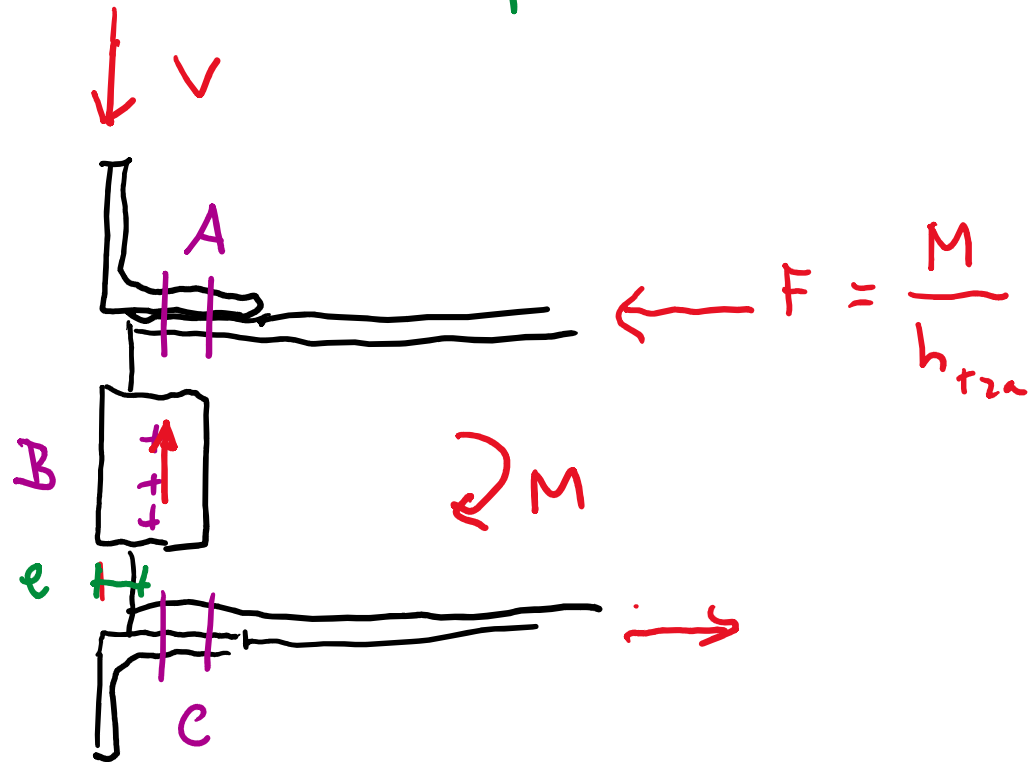


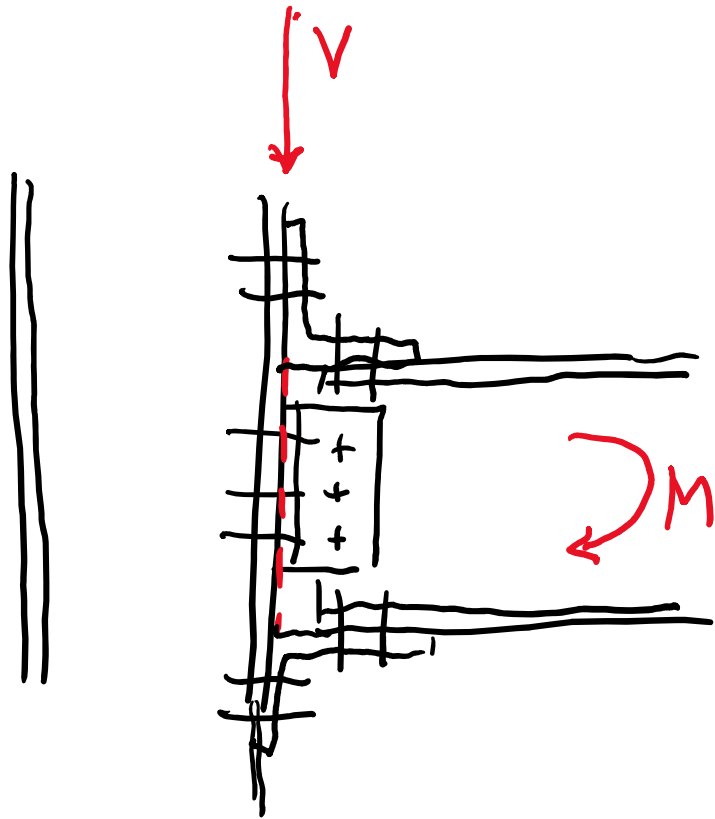
forze taglienti
per il bullone

Trave \rightarrow angolare
 angolare \rightarrow colonna



$$M_{pm} = V_e \text{ Trascurabile}$$



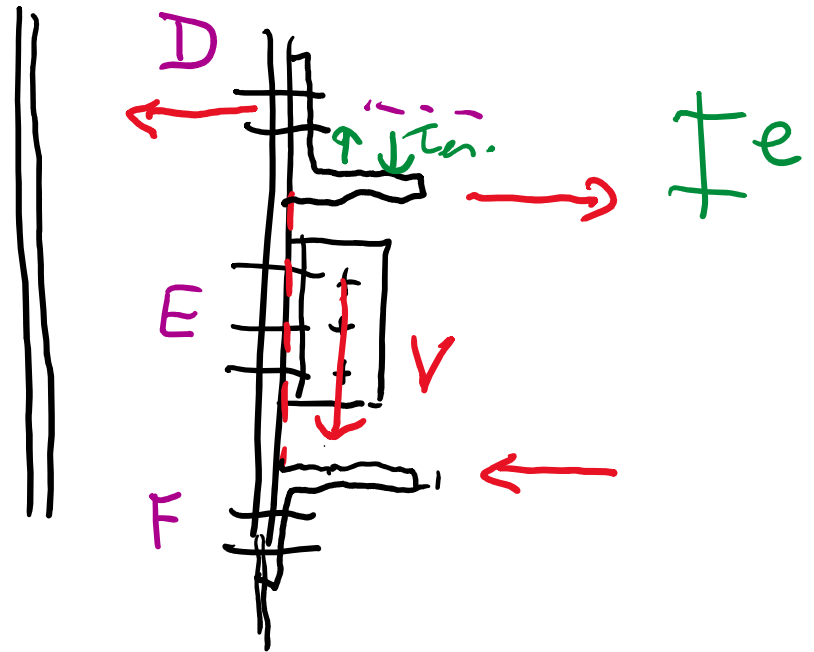
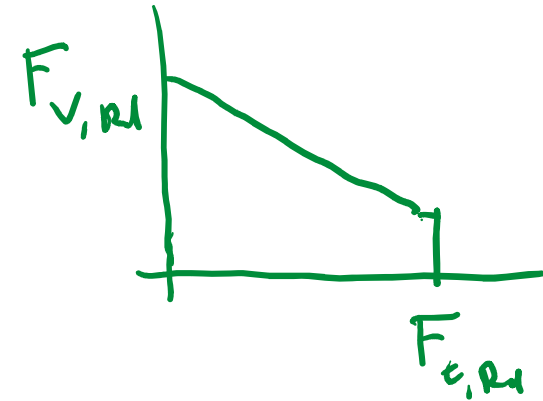


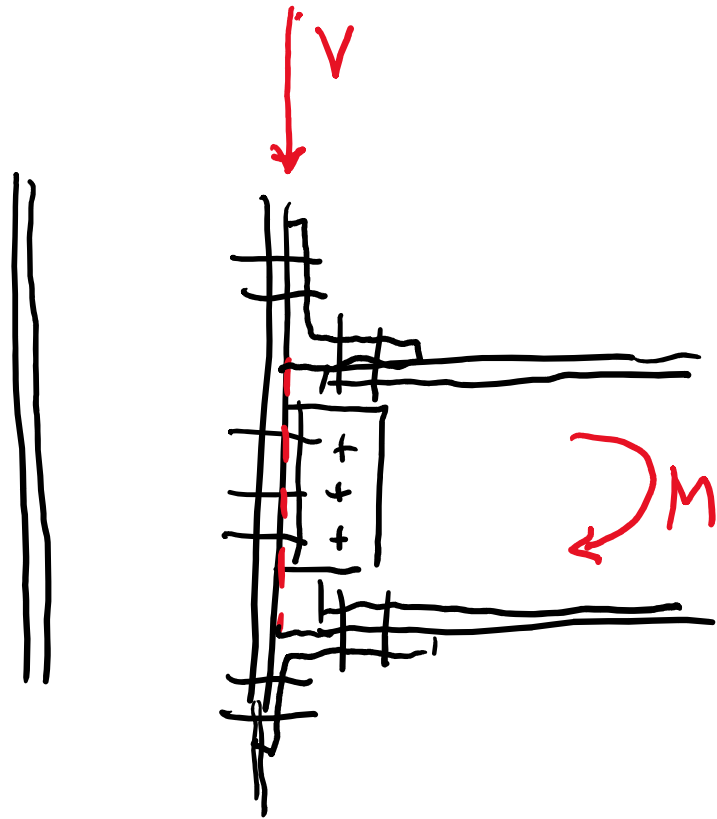
D Trazione per $F = \frac{M}{h}$

E taglio per V

F non lavorano.

domini di resistenza
bulloni $F_v - F_c$





1) \propto tolz. angulare
d'axe ne

2) \propto tolz. angulare
inferieur

3) \propto tolz. 1 + 2

4) \propto tolz. angulare
superieur