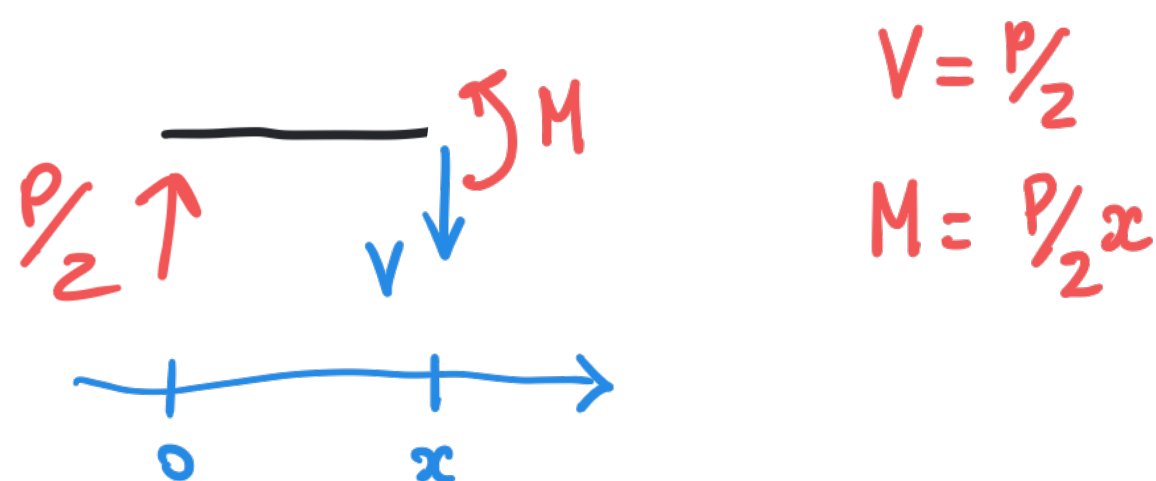
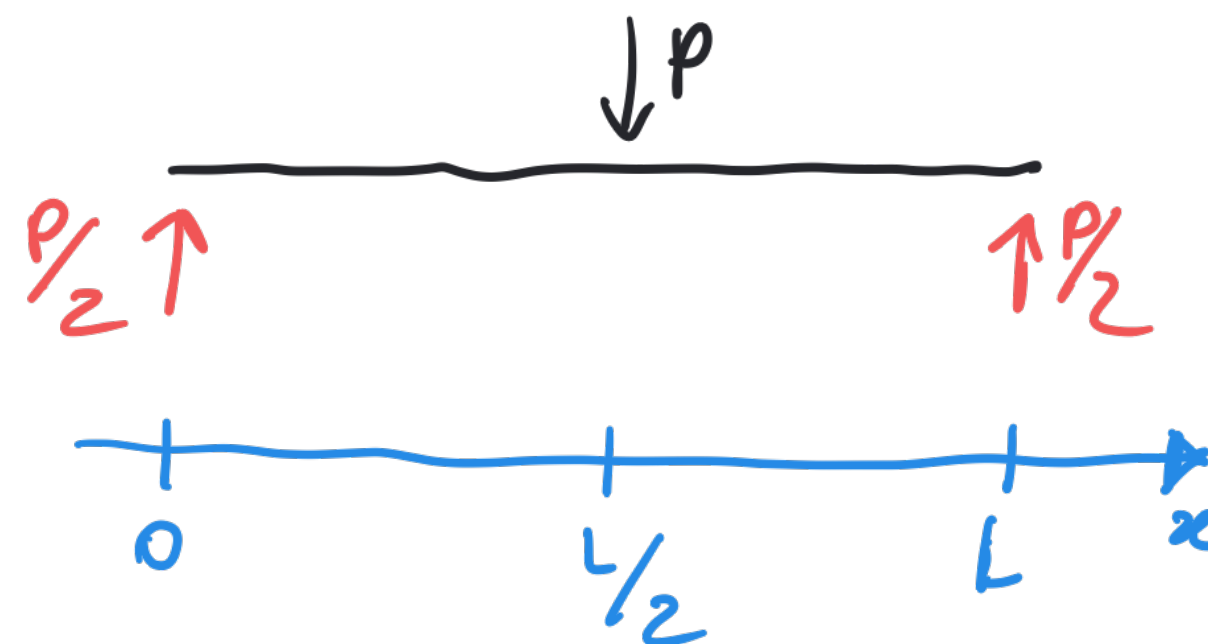
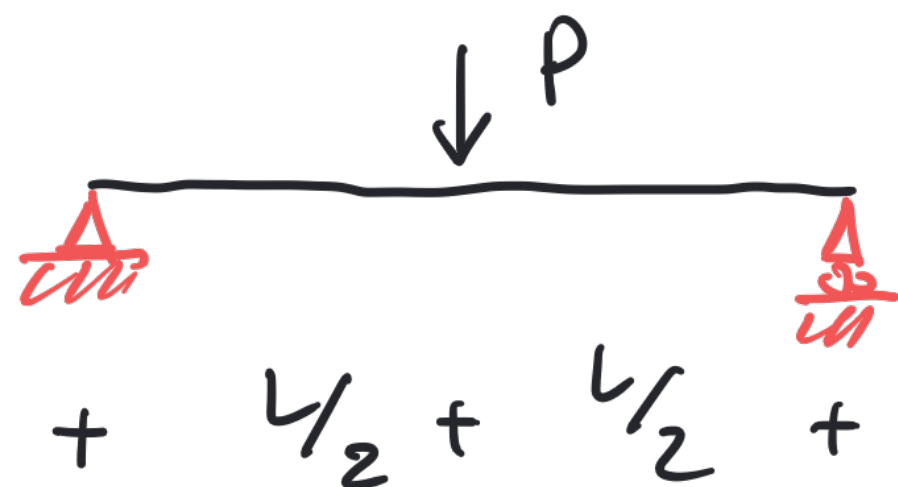


Metodo analitico per il tracciamento dei diagrammi della CdS.

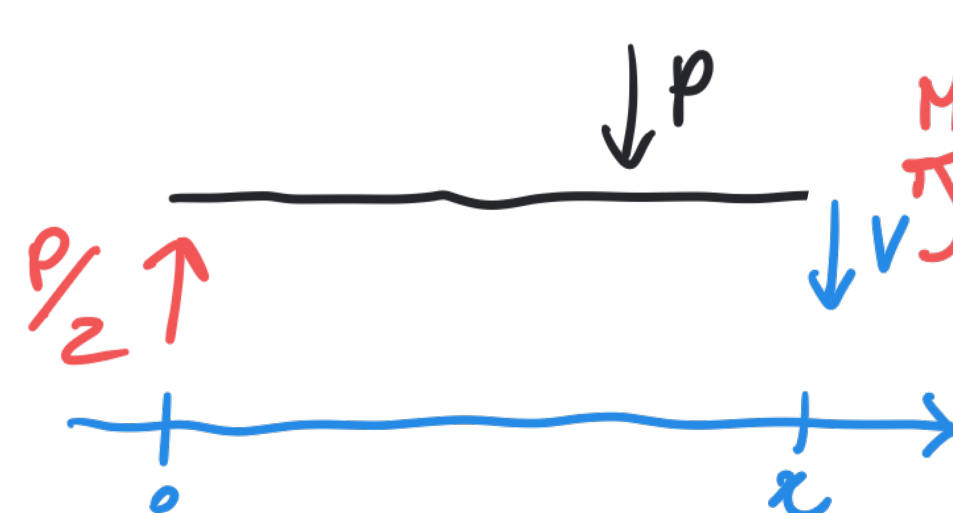
Trave su due appoggi

Reazioni:



$$V = P/2$$

$$M = P/2 x$$



$$\uparrow \sum F_y = 0$$

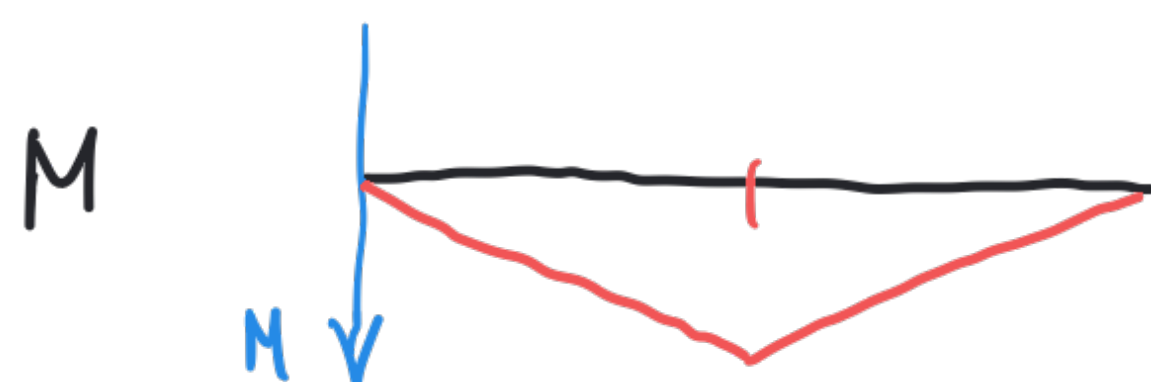
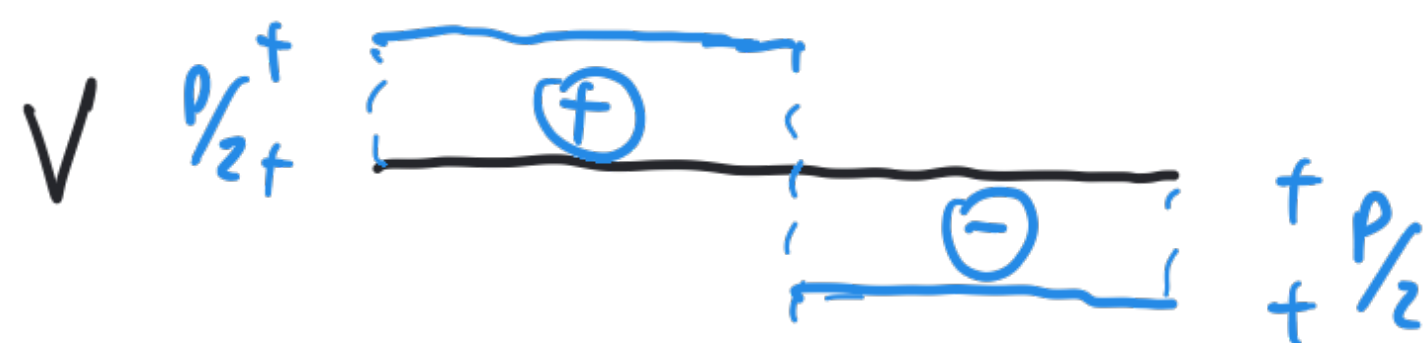
$$P/2 - P - V = 0$$

$$V = -P/2$$

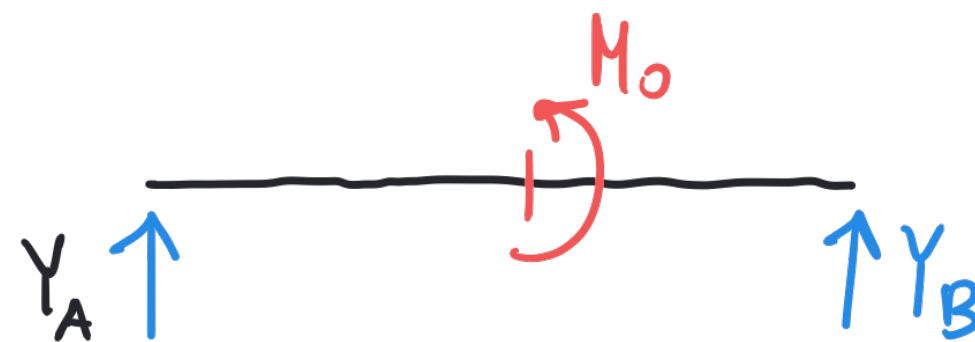
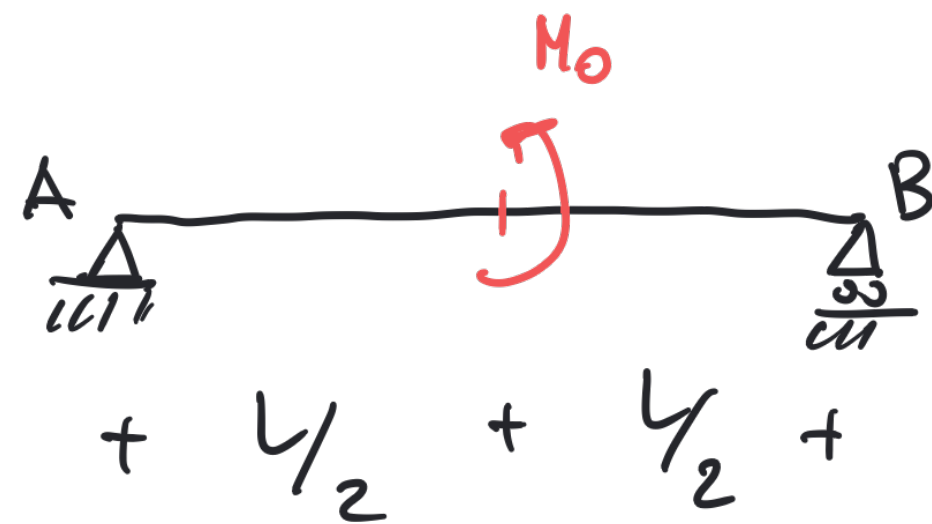
$$\sum \sum M = 0$$

$$M + P(x - \frac{L}{2}) - \frac{P}{2}x = 0$$

$$M = \frac{P}{2}(L - x)$$



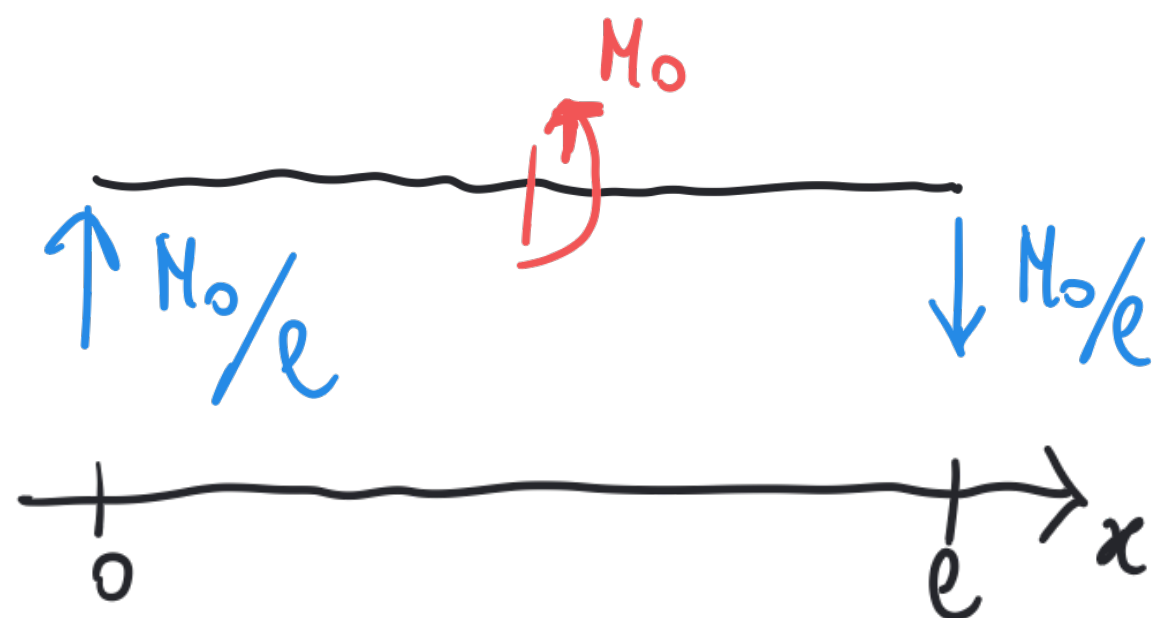
$PL/4$ fibre
tere inferiori.



$$\sum M_A = 0 \Rightarrow M_0 + Y_B l = 0 \Rightarrow Y_B = -M_0/l$$

$$\sum F_y = 0 \Rightarrow Y_A = -Y_B = M_0/l$$

Schema di corpo libero:



$$M_0 x/l = M \Rightarrow M(l/2-) = \frac{M_0}{2}$$

Diagram showing the internal forces at a section at distance x from A. The shear force V is M_0/l and the bending moment M is $M_0 x/l$.

$$\frac{M_0}{l}(l-x) = -M \Rightarrow M(l/2+) = -\frac{M_0}{2}$$

Diagram showing the internal forces at a section at distance x from A. The shear force V is $-M_0/l$ and the bending moment M is $M_0(l-x)/l$.

$$M(l) = 0$$

