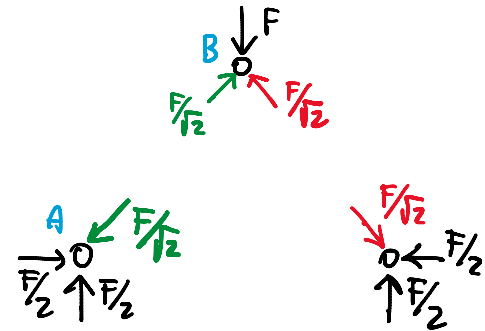
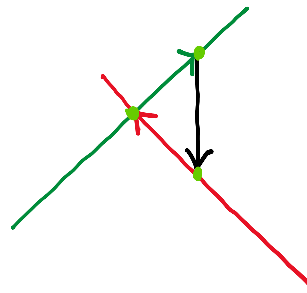
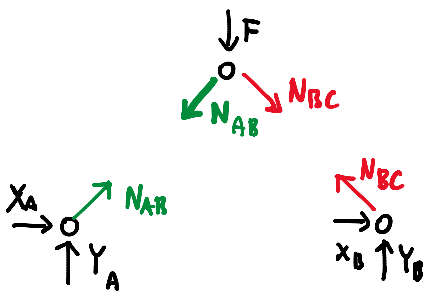
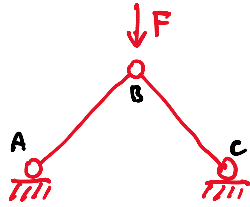


Metodo dei nodi



Eq. nodo A: $X_A + \frac{1}{\sqrt{2}} N_{AB} = 0$

$Y_A + \frac{1}{\sqrt{2}} N_{AB} = 0$

Eq. nodo B: $\frac{1}{\sqrt{2}} N_{BC} - \frac{1}{\sqrt{2}} N_{AB} = 0$

$-F - \frac{1}{\sqrt{2}} N_{AB} - \frac{1}{\sqrt{2}} N_{BC} = 0$

Eq. nodo C: $X_B - \frac{1}{\sqrt{2}} N_{BC} = 0$

$Y_B + \frac{1}{\sqrt{2}} N_{BC} = 0$

$$\Rightarrow N_{AB} = -\frac{1}{\sqrt{2}} F \quad (A) \Rightarrow X_A = \frac{F}{2}$$

$$N_{BC} = -\frac{1}{\sqrt{2}} F$$

$$Y_A = \frac{F}{2}$$

$$\Downarrow (C)$$

$$Y_B = \frac{F}{2}$$

$$X_B = -\frac{F}{2}$$

