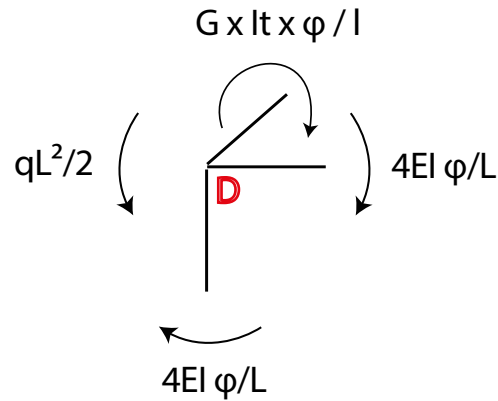


EQUILIBRIO AL NODO D

La risultante del momento deve essere uguale a 0



$$4EI \varphi/L + 4EI \varphi/L + G \times It \times \varphi / l - qL^2/2 = 0$$

$$\varphi (4EI / L + 4EI / L + G \times It / L) = qL^2/2$$

Kt

$$\varphi = qL^2/2 Kt$$

MOMENTO TORCENTE : $M_t = G \times It \times \varphi / l = G It ql / 2 Kt$

MOMENTO FLETTENTE : $M_f = 4 EI \times \varphi / l = 2 EI ql / Kt$