

$$(\rightarrow) \quad -\cancel{N} + \cancel{N} + dN + p dz = 0$$

$$(\downarrow) \quad -T + T + dT + q dz = 0$$

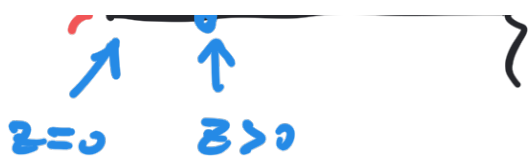
$$(\curvearrowright) \quad -M + M + dM - T dz + q dz \frac{dz}{2} = 0$$

$$N' + p = 0$$

$$T' + q = 0$$

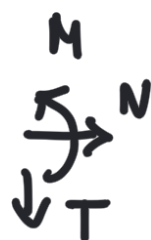
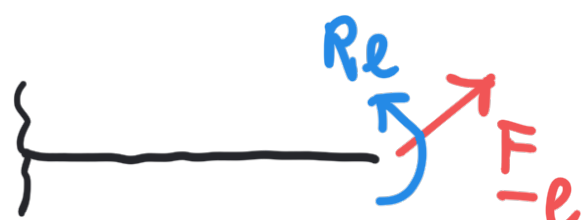
$$M' - T = 0$$

infinitesimo di
ordine dz^2



$$N(z) = -P - \int_0^z r dz$$

$$N(0) := \lim_{z \rightarrow 0} N(z) = -P$$



$$N(e) = \underline{F}_e \cdot \underline{k}$$

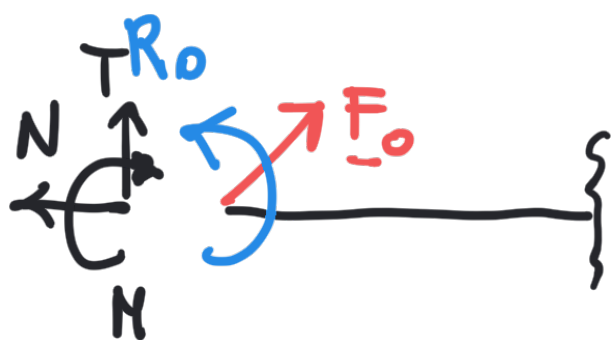
$$T(e) = \underline{F}_e \cdot \underline{j}$$

$$M(e) = R_e$$

$$=: N_e$$

$$=: T_e$$

$$=: M_e$$

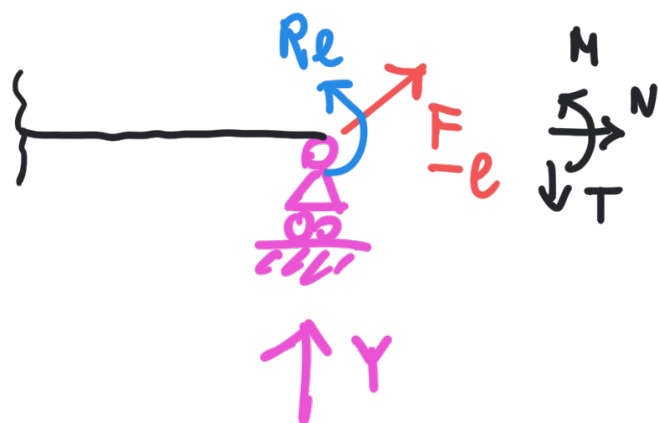


$$N(0) = -\underline{F}_0 \cdot \underline{k}$$

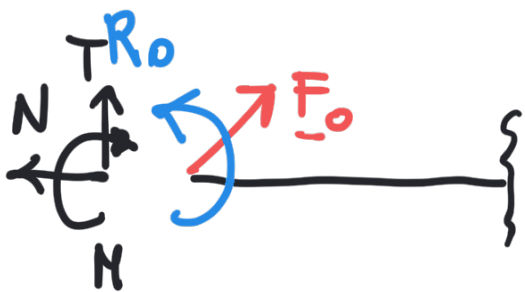
$$T(0) = -\underline{F}_0 \cdot \underline{j}$$

$$M(0) =$$

ESTREMO VINCOLATO



$$\begin{aligned} N(l) &= \underline{F}_e \cdot \underline{k} \\ T(l) &= \underline{F}_e \cdot \underline{j} \\ M(l) &= R_e \end{aligned}$$



$$\begin{aligned} N(0) &= -\underline{F}_o \cdot \underline{k} =: N_o \\ T(0) &= -\underline{F}_o \cdot \underline{j} =: T_o \\ M(0) &= -R_o =: M_o \end{aligned}$$