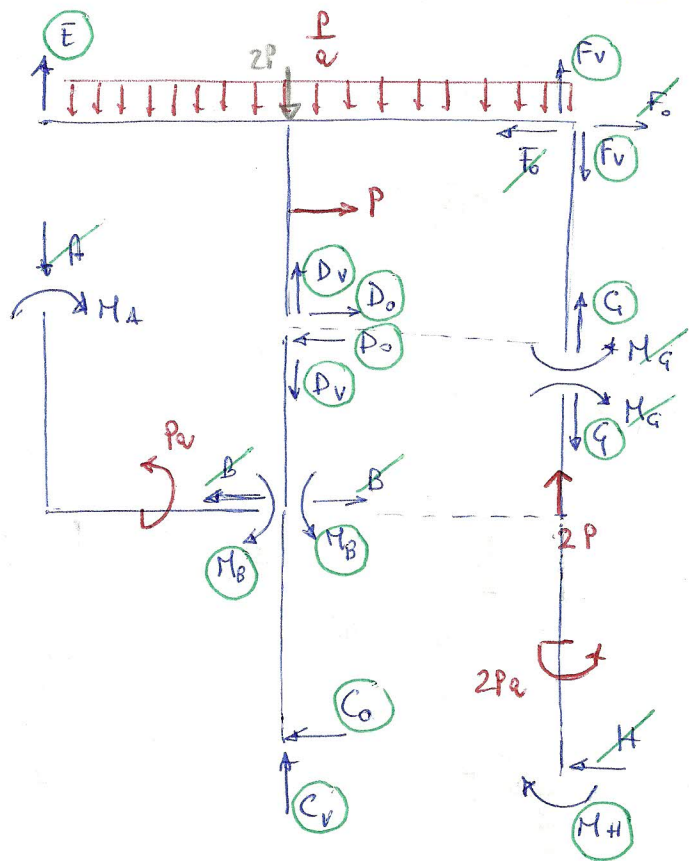
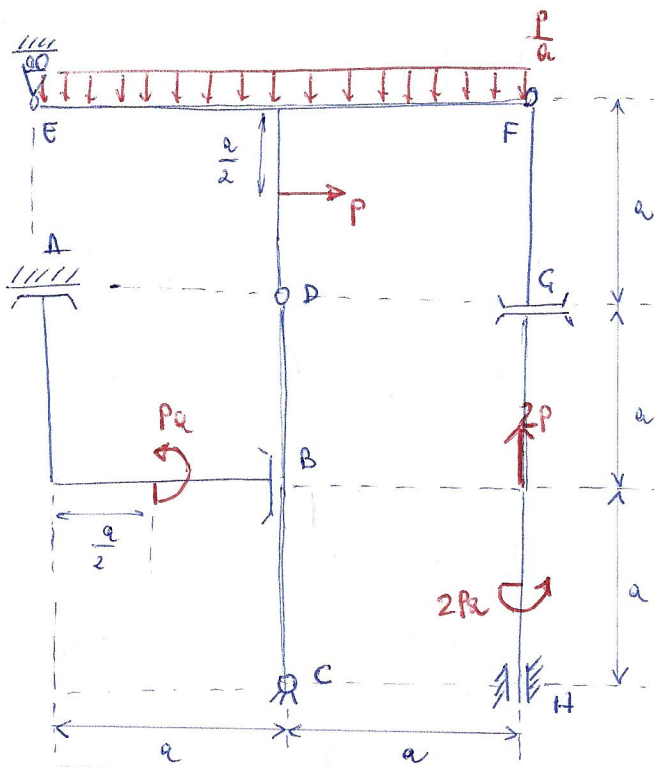


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• REAZIONI VINCOLARI

• ASTA A-B $\sum F_x^{AB} = 0 \Rightarrow B = 0$
 $\sum F_y^{AB} = 0 \Rightarrow A = 0$

• ASTA G-H $\sum F_x^{GH} = 0 \Rightarrow H = 0$
 $\sum F_y^{GH} = 0 \Rightarrow G = 2P$

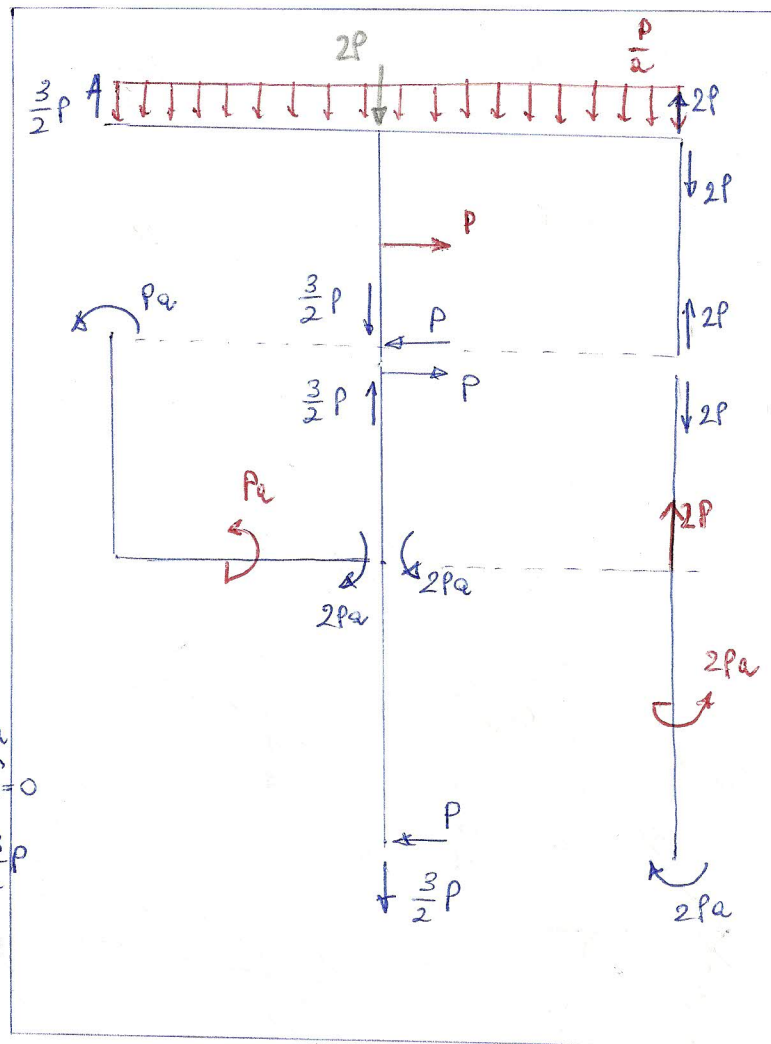
• ASTA F-G $\sum F_x^{FG} = 0 \Rightarrow F_0 = 0$
 $\sum F_y^{FG} = 0 \Rightarrow F_v = G = 2P$
 $\sum M_G^{FG} = 0 \Rightarrow M_G = 0$

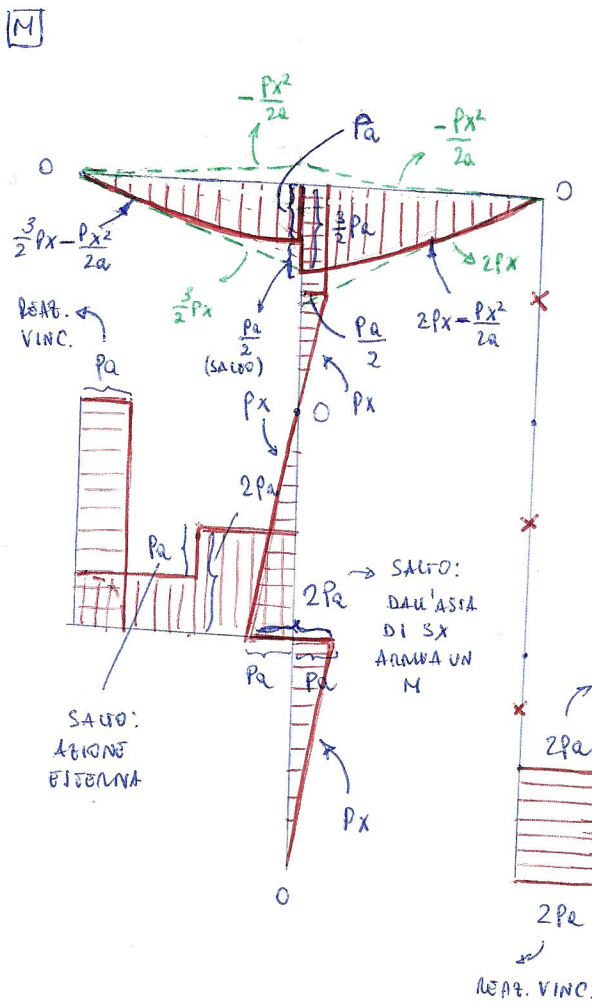
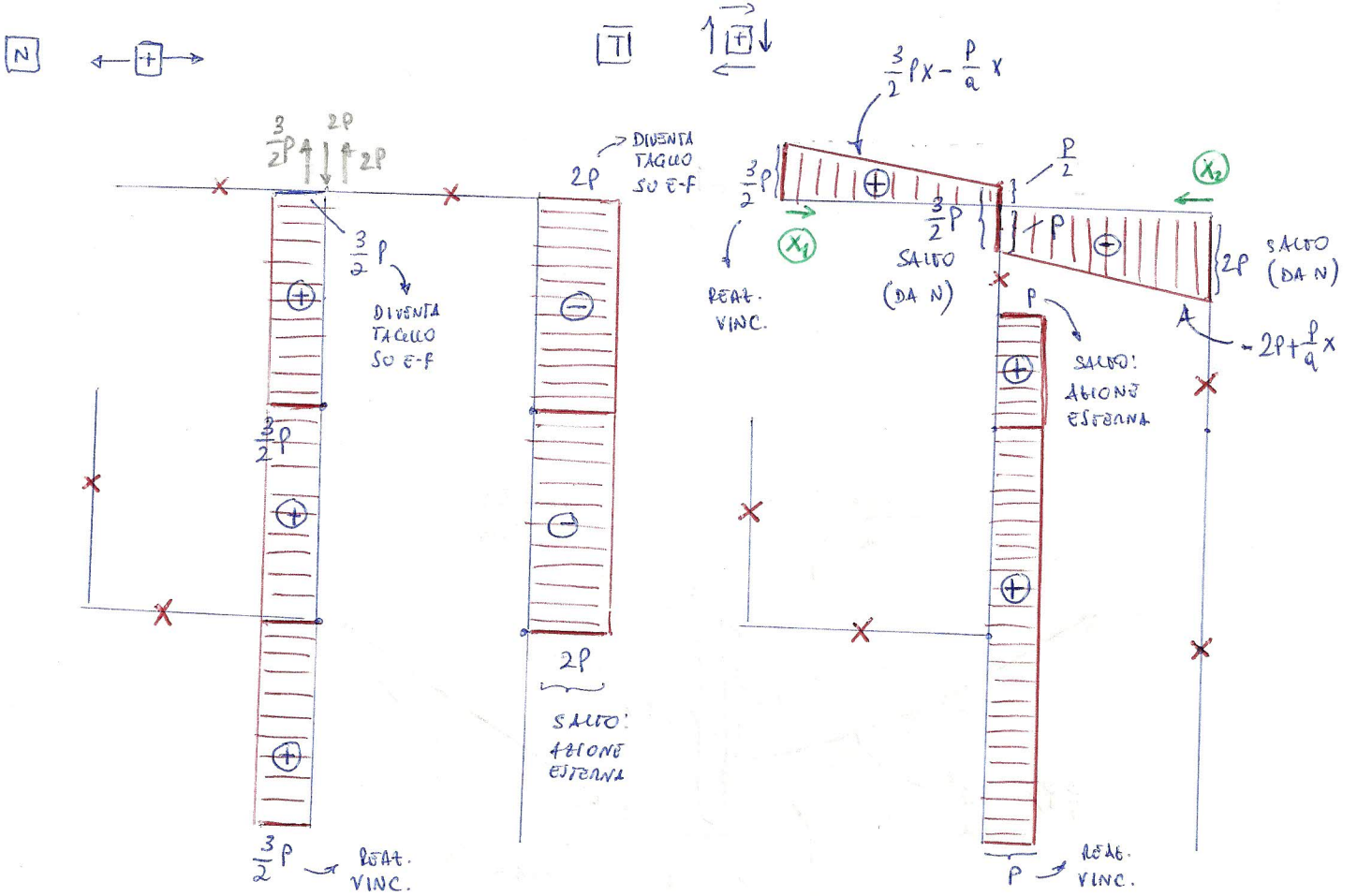
• ASTA G-H $\sum M_H^{GH} = 0 \Rightarrow M_H = 2Pa$

• ASTE DEF $\sum F_x^{DEF} = 0 \Rightarrow D_0 = -P$
 $\sum F_y^{DEF} = 0 \Rightarrow E - 2P + 2P + D_v = 0$
 $\sum M_E^{DEF} = 0 \Rightarrow 2Pa - 2P \cdot 2a - P \frac{a}{2} - D_v a + Pa = 0$
 $D_v = 2P - 4P - \frac{P}{2} + P = -\frac{3}{2}P$
 $\Rightarrow E = \frac{3}{2}P$

• ASTA CD $\sum F_x^{CD} = 0 \Rightarrow C_0 = -D_0 = P$
 $\sum F_y^{CD} = 0 \Rightarrow C_v = D_v = -\frac{3}{2}P$
 $\sum M_D^{CD} = 0 \Rightarrow M_B - C_0 2a = 0 \Rightarrow M_B = 2Pa$

• ASTA AB $\sum M_A^{AB} = 0 \Rightarrow M_A - Pa + 2Pa = 0 \Rightarrow M_A = -Pa$





$\left[\begin{smallmatrix} + \\ - \end{smallmatrix} \right]$ $\left(\updownarrow \right)$

$$T(x) = \frac{3}{2}P - \frac{P}{a}x$$

$$T(a) = \frac{3}{2}P - P = \frac{P}{2}$$

$$M(x) = \frac{3}{2}Px - \frac{Px^2}{2a}$$

$$M(a) = \frac{3}{2}Pa - \frac{1}{2}Pa = Pa$$

$\left[\begin{smallmatrix} + \\ - \end{smallmatrix} \right]$ $\left(\updownarrow \right)$

$$T(x) = -2P + \frac{P}{a}x$$

$$T(a) = -2P + P = -P$$

$$M(x) = 2Px - \frac{Px^2}{2a}$$

$$M(a) = 2Pa - \frac{Pa}{2} = \frac{3}{2}Pa$$

[M] nelle sole asta EF

