

$$\begin{cases} \downarrow) F \cdot \sin 60^\circ + R_{BY} = 0 \\ \rightarrow) F \cos 60^\circ + R_{BZ} = 0 \\ \curvearrowright) M_A + F \cdot \sin 60^\circ \cdot 1.6 \text{ m} - F \cos 60^\circ \cdot 1.6 \text{ m} = 0 \end{cases}$$

\Downarrow

$$\begin{cases} R_{BY} = -F \cdot \sin 60^\circ = -1.74 \text{ kN} \\ R_{BZ} = -F \cdot \cos 60^\circ = -1.00 \text{ kN} \\ M_A = -1.17 \text{ kNm} \end{cases}$$

1.17 kNm

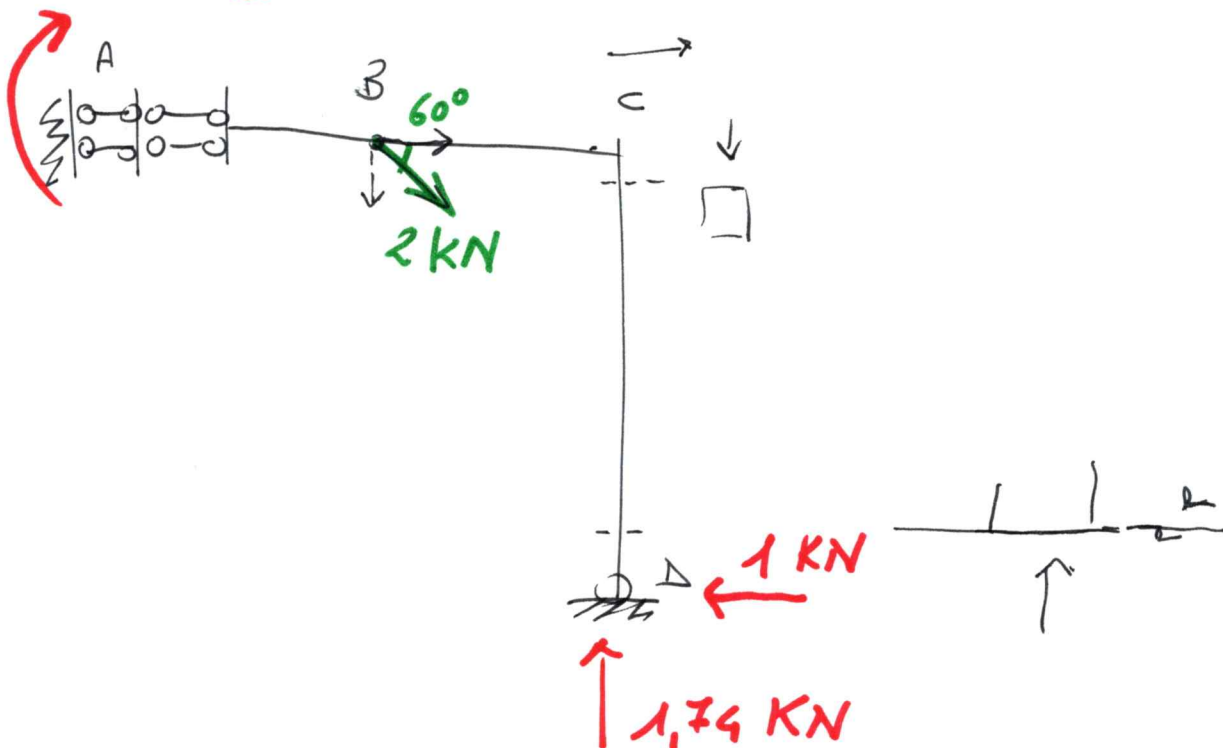
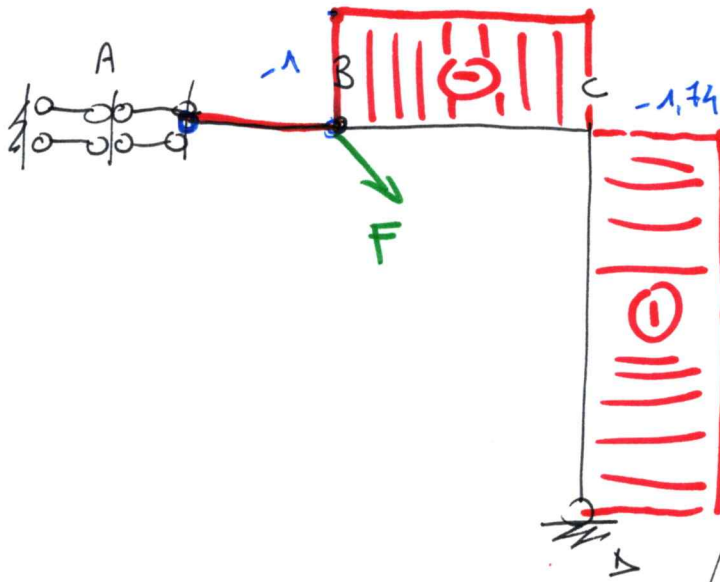


Diagramma N.

(↺ ↻ ⊕ ⊖) ②



$$N_A = 0$$

$$N_B^s = 0$$

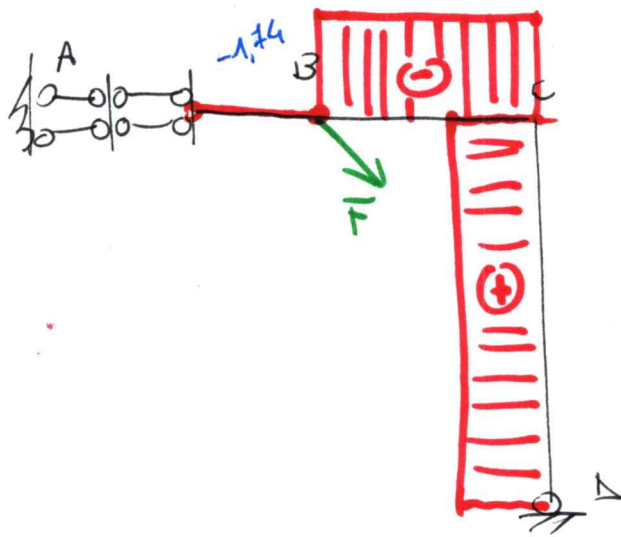
$$N_B^D = -F \cos 60^\circ = -1 \text{ KN}$$

$$N_C^s = -1 \text{ KN}$$

$$N_C^D = -F \sin 60^\circ = -1,74 \text{ KN}$$

$$N_D^s = -1,74 \text{ KN}$$

Diagramma T



$$T_A^D = 0$$

$$T_B^s = 0$$

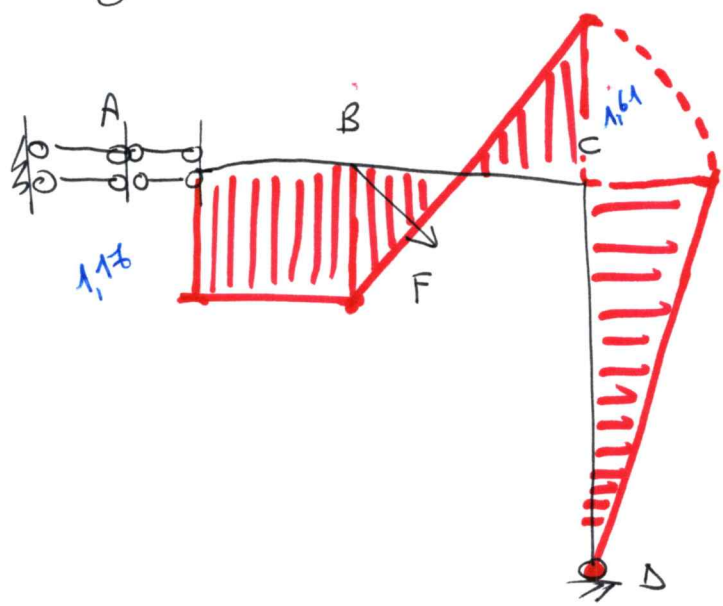
$$T_B^D = -F \cdot \sin 60^\circ = -1,74 \text{ KN}$$

$$T_C^s = -1,74 \text{ KN}$$

$$T_C^D = F \cos 60^\circ = 1 \text{ KN}$$

$$T_D^s = 1 \text{ KN}$$

Diagramma M



$$M_A^D = 1,17 \text{ kNm}$$

$$M_B^S = 1,17 \text{ kNm}$$

$$M_B^D = 1,17 \text{ kNm}$$

$$M_C^S = 1,17 - \bar{T} \cdot \sin 60^\circ \cdot 1,6 \text{ m} =$$

$$= 1,17 - 1,74 \cdot 1,6 = -1,61 \text{ kNm}$$

$$M_C^D = 1,17 - 1,74 \cdot 1,6 = -1,61 \text{ kNm}$$

$$M_D^S = 1,17 - 1,74 \cdot 1,6 + 1 \cdot 1,6 =$$

$$-1,61 + 1,6 = 0$$

$$M_D = 0$$