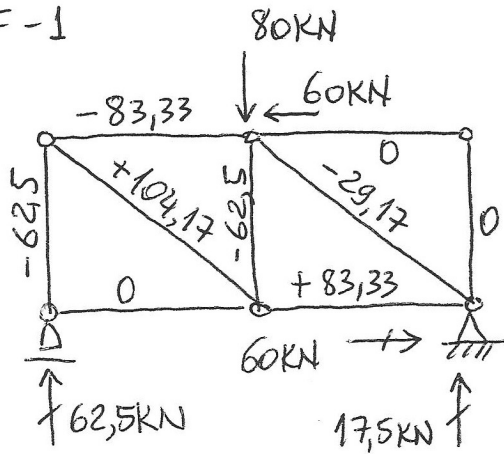
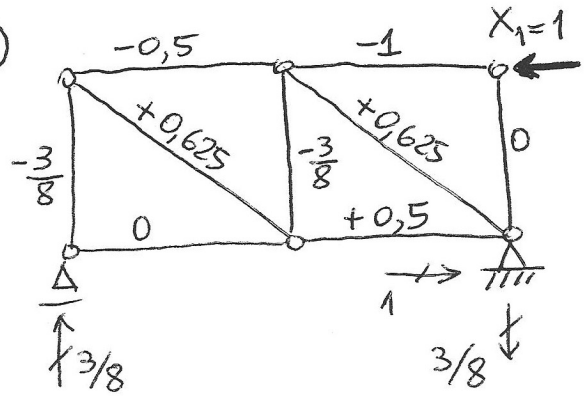


EIF-1

(N)



(n)



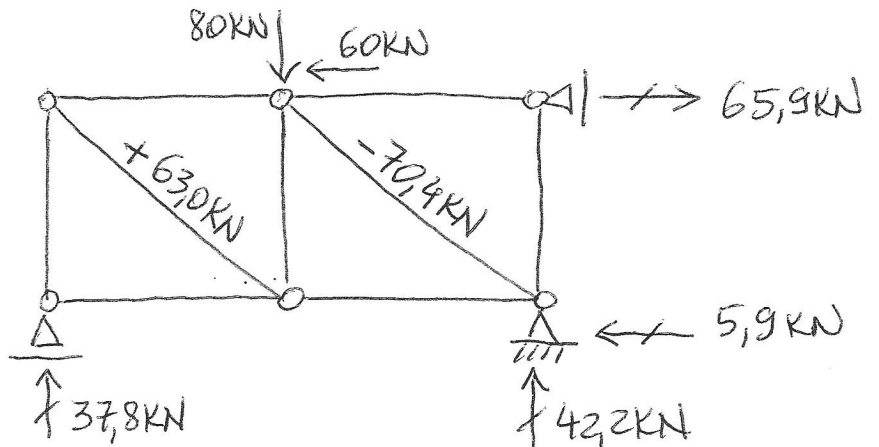
$$F_{11} = \frac{a}{EA} [2 \times 3 \times \left(\frac{3}{8}\right)^2 + 2 \times 5 \times (0,625)^2 + 2 \times 4 \times (0,5)^2 + (1)^2 \times 4] = 10,75 \frac{a}{EA}$$

$$d_{01} = \frac{a}{EA} [2 \times 3 \times 62,5 \times \frac{3}{8} + 2 \times 4 \times 83,33 \times 0,5 + 5 \times 104,17 \times 0,625 - 5 \times 29,17 \times 0,625]$$

$$d_{01} = 708,33 \frac{a}{EA}$$

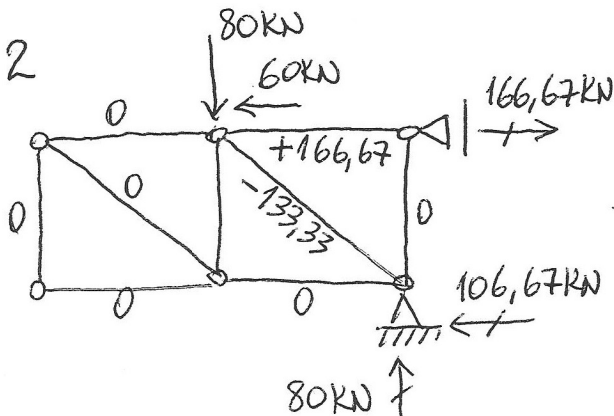
$$X_1 = -65,9 \text{ kN}$$

RESULTADOS FINAIS

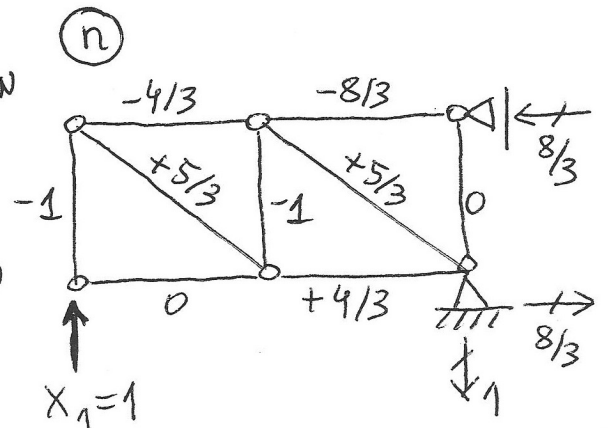


EIF-2

(N)



(n)



$$F_{11} = \frac{a}{EA} [2 \times 3 \times 1^2 + 2 \times 5 \times \left(\frac{5}{3}\right)^2 + 2 \times 4 \times \left(\frac{4}{3}\right)^2 + 4 \times \left(\frac{8}{3}\right)^2] = 76,44 \frac{a}{EA}$$

$$d_{01} = \frac{a}{EA} [4 \times 166,67 \times \left(-\frac{8}{3}\right) + 5 \times (-133,33) \times \left(\frac{5}{3}\right)] = -2889 \frac{a}{EA}$$

$$X_1 = 37,8 \text{ kN}$$