

$$R_{AU}(32) - 300(32) - 600(24) - 600(16) - 600(8) = 0$$
; $R_{AY} = 1200$

$$2F_{4} = 0$$
 $2F_{4} = 0$
 $2F_{5} = 0$
 $2F_$

$$FAC - \frac{8}{10} FAB = G$$

$$FCB$$
 $2Fx=0$
 $-1200 + Fc6=0$
 $1200 - Fc6 - Fc6=1200$

$$\frac{1600}{10}$$
 FBD $\frac{8}{10}$ (1500) $-\frac{8}{2\sqrt{17}}$ FBD $-\frac{8}{10}$ = 0

$$1200 - \frac{8}{2117}$$
 TBD = FBE $\frac{8}{10}$

$$F_{BE} = (1200 - 8 FBD) 10$$

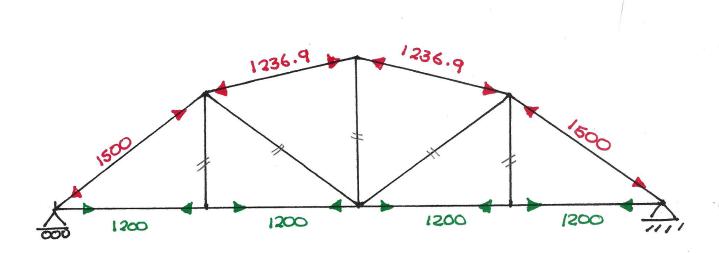
$$\overline{TBE} = 1500 - 5\sqrt{17} + \overline{BD}$$

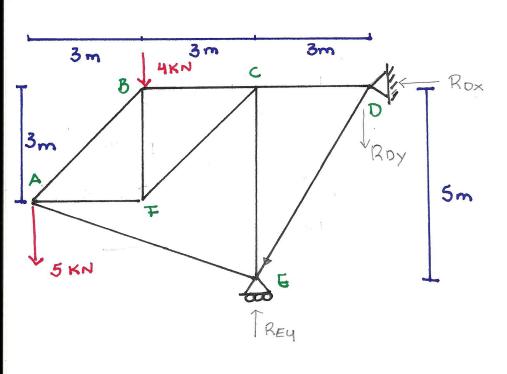
$$\overline{TBE} = 1500 - 5\sqrt{17} (1236.9)$$

$$= 0$$

$$\begin{aligned}
& = 2F_{4} = 0 \\
& = -600 + FBE \frac{6}{10} - FBD \frac{2}{2\sqrt{17}} + \frac{6}{10} (1600) = 0 \\
& = -600 + FBE \frac{6}{10} - FBD \frac{2}{2\sqrt{17}} + \frac{6}{10} (1600) = 0 \\
& = -600 + FBE \frac{6}{10} - FBD \frac{2}{2\sqrt{17}} = -300 \\
& = -300 - \frac{3\sqrt{17}}{17} + \frac{17}{17} +$$

Porsimetria





Rox
$$2M_{D}=0$$

Rey (3) -4(6) -5(9) =0

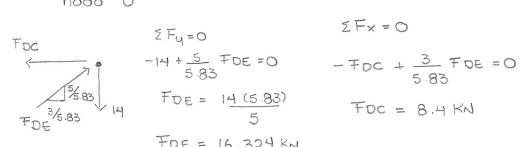
Rey = 23 KN

 $2F_{Y}=0$

Rey -Roy -4-5=0

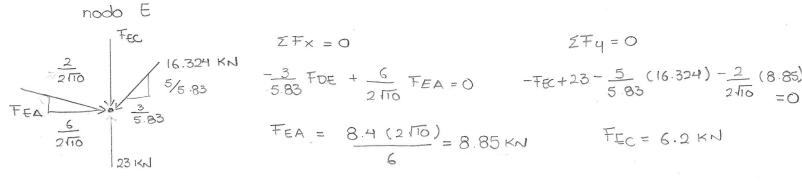
Roy = $+23-9=14$
 $2F_{X}=0$

Rox = 0



$$2F_{4}=0$$
 $-14 + \frac{5}{5.83}$ FDE = 0
FDE = $14(5.83)$

$$-FDC + \frac{3}{5.83}FDE = 0$$



$$\Sigma F_{\times} = 0$$

$$-F_{EC}+23-\frac{5}{5.83}(16.324)-\frac{2}{2\sqrt{10}}(8.85)$$

$$-2.2+8.4-3$$
 FCF =C $3\sqrt{2}$

nodo A 3/2 FAB

$$2F_{4} = 0$$

$$-5 + \frac{2}{2110} (8.85)$$

$$-5 + \frac{2}{2110}(8.85) + \frac{3}{312} + AB = 0 + FAF + \frac{3}{312} + AB - \frac{6}{2110}(8.85) = 0$$

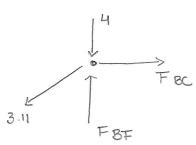
$$+ FAF + \frac{3}{312} + AB - \frac{6}{2110}(8.85) = 0$$

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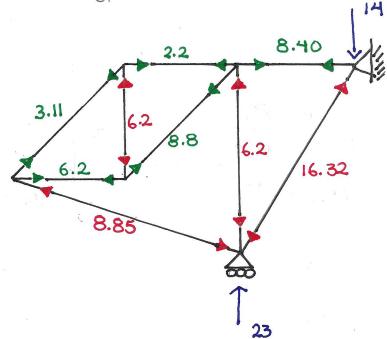
$$+ FAF + \frac{3}{312} + AB - \frac{6}{2110}(8.85) = 0$$

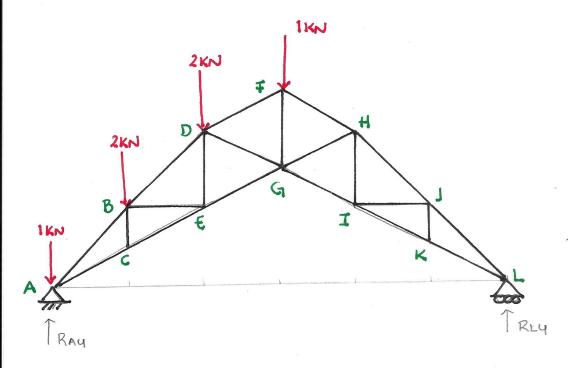
nodo



$$F_{BC} - \frac{3}{3\sqrt{2}}(3.11) = 0$$

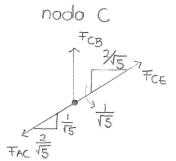
$$F_{BC} - \frac{3}{3\sqrt{2}}(3.11) = 0$$
 $F_{BF} - 4 - \frac{3}{3\sqrt{2}}(3.11) = 0$





nodo A

$$1KN$$
 $\frac{2}{2\sqrt{15}}$ $\frac{2}{1\sqrt{5}}$ $+FAC$ $\frac{2}{\sqrt{5}}$ $+FAB$ $\frac{2}{2\sqrt{12}}$ $=0$ $-FAB$ $\frac{2}{2\sqrt{12}}$ $+FAC$ $\frac{1}{\sqrt{5}}$ $+4.5-1=0$
 $+AC = \left(+\frac{2}{2\sqrt{12}}\right)$ $+AB$ $\left(-\frac{1}{\sqrt{5}}\right)$ $-FAB$ $\frac{2}{2\sqrt{12}}$ $+\left(+\frac{\sqrt{10}}{4}\right)$ $+AB$ $+3.5=0$
 $+AC = \frac{\sqrt{10}}{4}$ $+AB$ $+A$



$$\Sigma \overline{T} \times = 0$$

$$- \overline{T} + \overline{T} = 0$$

$$\overline{T} + \overline{T} = 0$$

$$\overline{T} + \overline{T} = 0$$

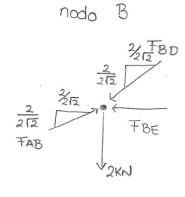
$$\overline{T} = 0$$

$$\overline{T}$$

$$2F_{4}=0$$

7.83 $(\frac{1}{\sqrt{5}})$ - 7.83 $(\frac{1}{\sqrt{5}})$ + FCB = 0

 $\frac{1}{\sqrt{5}}$



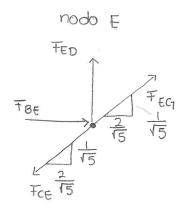
$$\Sigma Fx = 0$$
 $FAB \frac{2}{2\sqrt{2}} - \overline{F}BD \frac{2}{2\sqrt{2}} - \overline{F}BE = 0$
 $FBE = 9.9(\frac{2}{2\sqrt{2}}) - 7.1 \frac{2}{2\sqrt{2}}$
 $\overline{F}BE = 1.99 \approx 2 \text{ KN}$

$$\Sigma F_{4} = 0$$

$$F_{AB} \frac{2}{2\sqrt{2}} - F_{BD} \frac{2}{2\sqrt{2}} - 2 = 0$$

$$9.9 \left(\frac{2}{2\sqrt{2}}\right) - F_{BD} \frac{2}{2\sqrt{2}} - 2 = 0$$

$$F_{BD} = 5 \frac{(2\sqrt{2})}{2} = 7.1 \text{ KM}$$



$$\Sigma F_{X=0}$$
 $-F_{CE} \frac{2}{\sqrt{5}} + F_{EG} (\frac{2}{\sqrt{5}}) + F_{BE} = 0$
 $F_{EG} = (7.83(\frac{2}{\sqrt{5}}) - 2)\sqrt{5}$
 $T_{EG} = 5.59 \approx 5.6 \text{ KN}$

$$ZF_{9} = 0$$
 $F_{ED} - \frac{1}{\sqrt{5}} F_{CE} + \frac{1}{\sqrt{6}} F_{EG} = 0$
 $F_{ED} = \frac{1}{\sqrt{5}} (7.83) - \frac{1}{\sqrt{5}} (5.6) = 0$
 $F_{ED} = 0.99 \approx 1 \text{ KN}$

