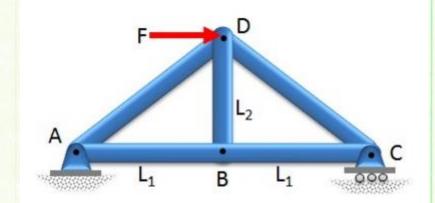
HO >1

SA VOARO

1/5

1. Given:

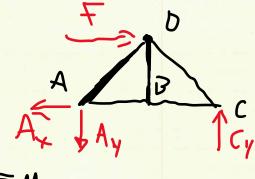
F = 250 N $L_1 = 3 \text{ m}$ $L_2 = 4 \text{ m}$



Find:

FCD, FBC, FBD, FAB, FAD

Solution .



EMA > 0

Ay = Cy < 166.67N

$$6/16/22$$
 HO 7.1 GPA NOANO 2/
An A FAD
EFY = 0

 $F_{AD}(4/5)$ - Ay = 0

 $F_{AD}(3/5)$ + F_{AB} - Ax = 0

 $F_{AD}(3/5)$ + F_{AB} - Ax = 0

 $F_{AD}(3/5)$ + F_{AB} - Ax = 0

 F_{AB} $F_$

HO 7.1

SA VOLVE

3/5

$$C_{y}-f_{bc}(4/5)=0$$

$$\frac{C_{\gamma(5/4)} = f_{DC} = 206N(c)}{4}$$

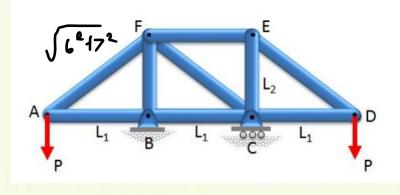
2. Given:

P = 400 lbs

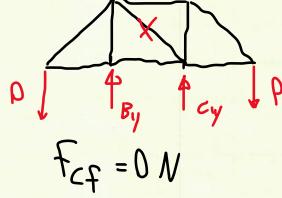
 $L_1 = 6 \text{ ft}$ $L_2 = 7 \text{ ft}$

find

FAB, FBC, FCD, FAF, FEF, FCF, FCE, FDE,



Solution:



A
$$f_{AF}$$

$$\begin{cases}
F_{AB} & \xi = 0 \\
\rho & f_{AF}\left(\frac{7}{9.21}\right) - \rho = 0
\end{cases}$$

$$6/16/22$$
 HO 7.1 GAM HOLDING 4/5

 $f_{Af} = P(\frac{923}{7}) = 526.83 lis(T)$
 $f_{Af} = F(\frac{9}{7}) = 526.83 lis(T)$
 $f_{Af} = f_{Af}(\frac{16}{920}) - f_{AB} = 0$
 $f_{AB} = f_{Af}(\frac{16}{920}) = 342.86 libs(c)$
 $f_{BC} = f_{AB} = 342.86 libs(c)$
 $f_{BC} = f_{BC} = 400 lis(c)$
 $f_{BC} = f_{CD} = 400 lis(c)$
 $f_{CD} = f_{CD} = 342.86 lis(c)$