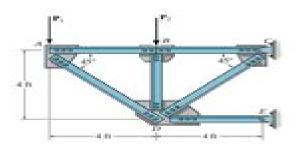
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6-2. The truss, used to support a balcomy, is subjected to the leading shown. Approximate each joint as a pin and determine the force in each member. State whether the members are in tension or compression. Set P<sub>1</sub> = 600 lb. P<sub>2</sub> = 400 lb.



Bodest A. I.

$$\Delta \Omega S_{i} = 0$$
,  $S_{i} = 141.528 \cos 45^{\circ} = 0$ 

Soint B :

$$-425 = 0$$
,  $F_{\rm eff} = 600 = 0$ 

States Dr.

$$+$$
 T E.F.  $= 0$ :  $P_{\text{loc}} \sin 45^{\circ} - 400 - 848.528 \sin 45^{\circ} = 0$ 

$$-42F_{c} = 0$$
; \$48,53800045° + 1414,21400045° -  $F_{bet} = 0$ 



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