

**6.45** Determine the force in members BD and CD of the truss shown.

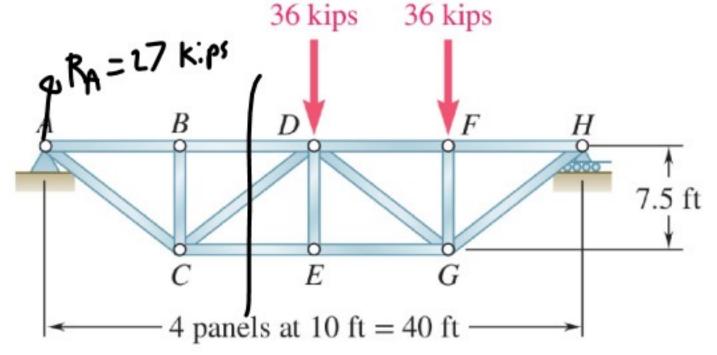
**6.46** Determine the force in members DF and DG of the truss shown.

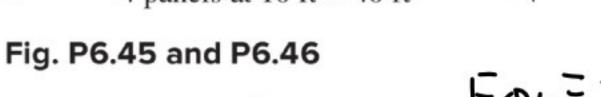
$$-10.27 - 75 F_{BD} = 0$$

$$-10.27 = 75 F_{BD}$$

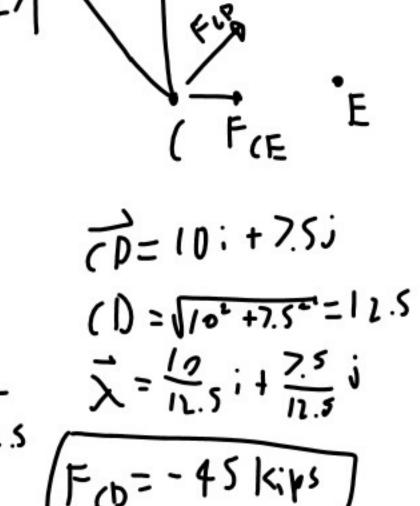
$$-10.27 = 75 F_{BD}$$

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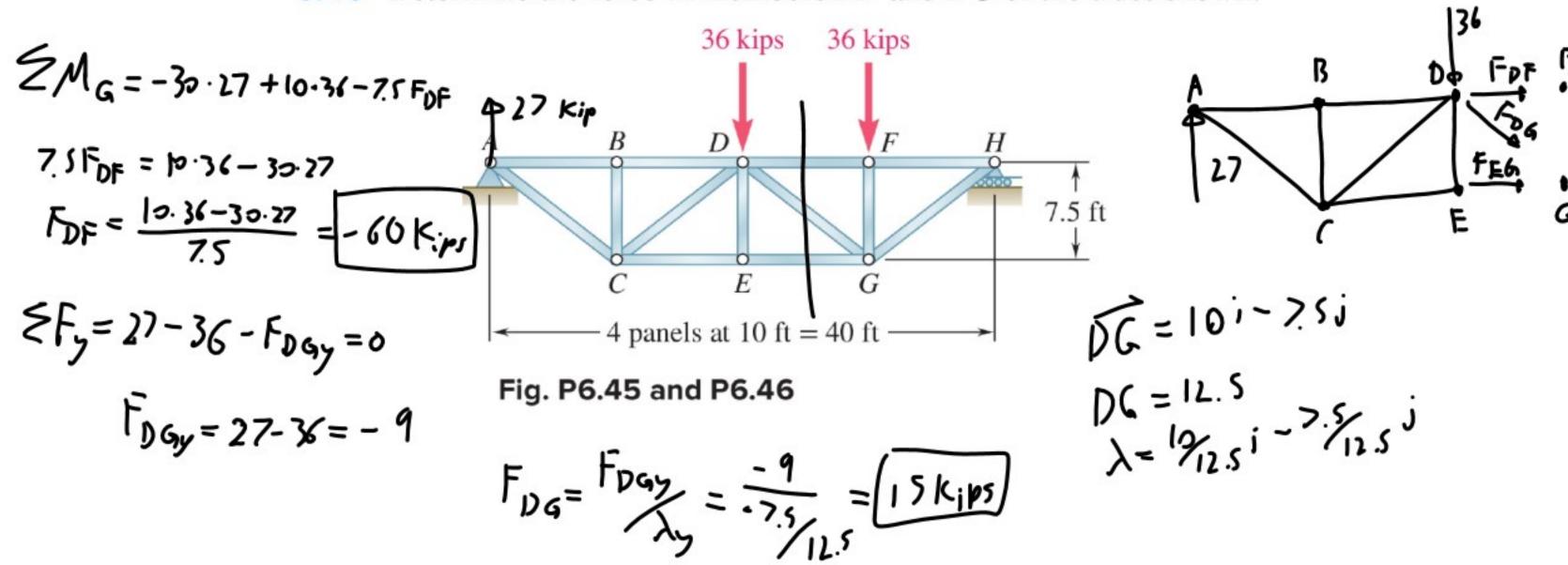


$$5F_{y} = 27 + F_{(0)} = 0$$
  $F_{0} = \frac{-27}{7.812.5}$ 



**6.45** Determine the force in members BD and CD of the truss shown.

**6.46** Determine the force in members DF and DG of the truss shown.



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$$R_{H} = 36 + 36 - 17$$
  
= 45 kips

**6.46** Determine the force in members DF and DG of the truss shown.

