



$$S = 0 = 0$$

$$S \times M = 0$$

$$S \times$$

$$+ \rightarrow \Sigma E_X = E_{IH} - 130 - 255 \cos 45^{\circ} = 0; \overline{E_{IH}} = 310 \text{ lb } (T)$$

$$+\uparrow \Sigma F_{Y} = 80 + 60 + 40 - F_{BH} \sin 45^{\circ} = 0;$$
  
 $\downarrow + \Sigma M_{H} = -F_{BC}(2) + 60(2) + 40(3.5) = 0;$   
 $\downarrow + \Sigma M_{H} = -F_{BC}(1) + 60(2) + 40(3.5) = 0;$ 



