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2/100 For a zero force - couple system at point 0: 
$$\frac{19}{19}$$
 $R = \Sigma F = (-F_c \sin 30^\circ + F_b \sin 30^\circ) \frac{1}{2}$ 
 $+ (50 - 10 - 100 - 50 + F_b$ 
 $+ F_c \cos 30^\circ + F_b \cos 30^\circ) \frac{1}{2} = 0$ 
 $\Rightarrow F_c = F_b = F$ 
 $\Rightarrow F_c = F_b = F$ 
 $\Rightarrow F_c = F_b = 6.42 \text{ N}$ 
 $\Rightarrow F_c = F_b = 6.42 \text{ N}$ 

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