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Problem 2: A frame is supported at A by a pin/hinge and a roller at F. Find all the forces acting

&Fx = Ax - 100 = 0

$$A \times F_{x} = 100 - 100 + CE - BE sin(45) = 0$$

BE

 $F_{y} = -200 + BE cos(45) = 0$ 

$$A_{\times} = 100 \text{ lbs.}$$
 in + × direction

$$\xi F_y = A_y + F_y = 0$$

$$A_y = -F_y$$

$$c \mathbf{E} = \left(-\frac{z \cdot 00}{\cos(45)}\right) \sin(45)$$

Ay = 200 16s in -y direction