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3/7 FBD of junction ring C:

$$275 (9.81) N$$
 $\Theta = \tan^{-1} \frac{250}{900/2}$
 $= 29.1^{\circ}$
 $2T$
 $1+ \Sigma F = 0: 275 (9.81) - 4T \sin 29.1^{\circ} = 0$
 $T = 1389 N$

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