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$$\frac{4|21}{\text{Joint D}} \qquad \theta = \tan^{-1} \frac{2}{4} = 26.6^{\circ}$$

$$\frac{1}{2}(\frac{3}{8}) = 0.75 \text{ kN} \qquad \sum F_{\chi} = 0 : DE \sqrt{5} - 0.75 = 0$$

$$DE = 1.677 \text{ kN C}$$

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$$DC = 1.5 \text{ kN T}$$

$$\frac{1.5 \text{ kN}}{1.5 \text{ kN}} = 2.5 \text{ kN C}$$

$$\frac{5}{8}(4) + BC = 1.5 \text{ kN T}$$

$$\frac{1.677 \text{ kN}}{1.677 \text{ kN}} = 2.5 \text{ kN}$$

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