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The equations of equilibrium

$$\rightarrow \Sigma F_x = 0: \quad N_A \sin 30^\circ - N_B \sin 30^\circ = 0$$

$$\uparrow \Sigma F_y = 0: \quad N_A \cos 30^\circ + N_B \cos 30^\circ - 800 = 0$$

are solved to get

$$N_A = N_B$$

$$N_A = 462 \text{ lb} \quad \angle 60^\circ \dots\dots\dots \text{Ans.}$$

$$N_B = 462 \text{ lb} \quad \angle 60^\circ \dots\dots\dots \text{Ans.}$$

