



$$T = \frac{1}{2}(2000)(9.81) = 9810 \text{ N}$$

$$\begin{cases} \sum F_x = 0: A_x = 0 \\ \sum F_y = 0: A_y - R_1 - R_2 + T + N_c = 0 \\ \sum M_A = 0: -1R_1 - (3 + \frac{2}{3})R_2 + 7T + 10N_c = 0 \end{cases}$$

$$\begin{cases} N_c = 4.63 \text{ kN} \uparrow \\ A_y = 60.6 \text{ kN} \uparrow \end{cases}$$