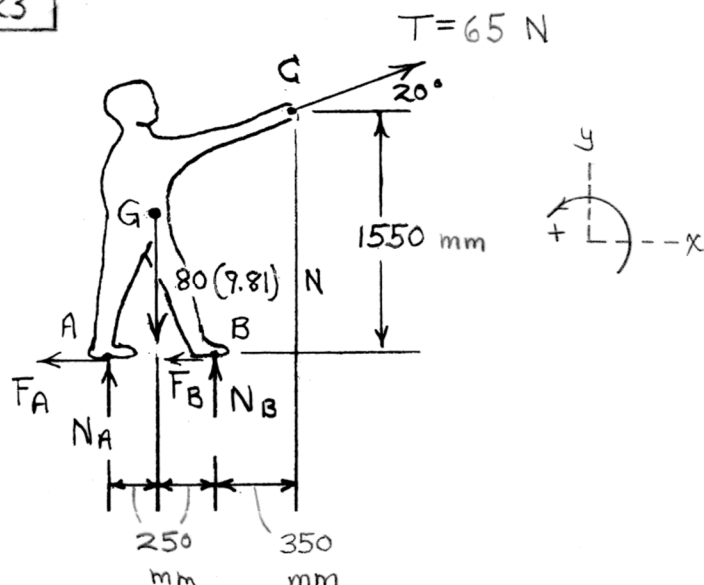


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$$\sum F_y = 0 : N_A + N_B - 80(9.81) + 65 \sin 20^\circ = 0$$

$$\sum M_B = 0 : 80(9.81)(250) - N_A(500) - 65[1550 \cos 20^\circ - 350 \sin 20^\circ] = 0$$

Solution :

$$\begin{cases} N_A = 219 \text{ N} \\ N_B = 544 \text{ N} \end{cases}$$