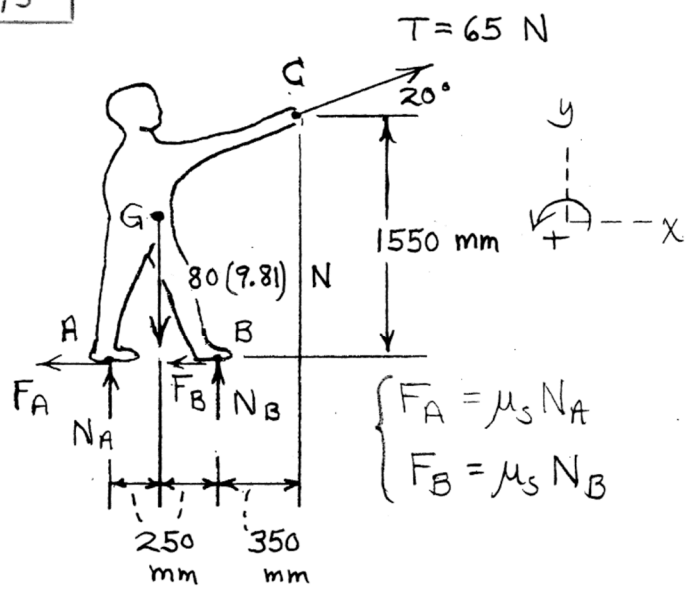
6/5



$$\begin{cases} F_A = \mu_s N_A \\ F_B = \mu_s N_B \end{cases}$$

$$\begin{cases} \Sigma F_x = 0: & -\mu_s(N_A + N_B) + 65\cos 20^\circ = 0 \\ \Sigma F_y = 0: & N_A + N_B - 80(9.81) + 65\sin 20^\circ = 0 \\ \Sigma M_B = 0: & 80(9.81)(250) - N_A(500) - 65[1550\cos 20^\circ \\ & \quad - 350\sin 20^\circ] = 0 \end{cases}$$

Solve to obtain $N_A = 219$ N, $N_B = 544$ N

$$\mu_s = 0.0801$$