



$$\begin{cases} \sum F_x = 0: \mu_s N_A - N_B \cos 36.9^\circ - \mu_s N_B \cos 53.1^\circ = 0 \\ \sum F_y = 0: N_A - N_B \sin 36.9^\circ + \mu_s N_B \sin 53.1^\circ - mg = 0 \\ \sum M_B = 0: mg \frac{L}{2} \cos 60^\circ + \mu_s N_A L \sin 60^\circ - N_A L \cos 60^\circ = 0 \end{cases}$$

Solve to obtain

$$\begin{cases} N_A = 1.125 mg \\ N_B = 0.364 mg \\ \mu_s = 0.321 \end{cases}$$