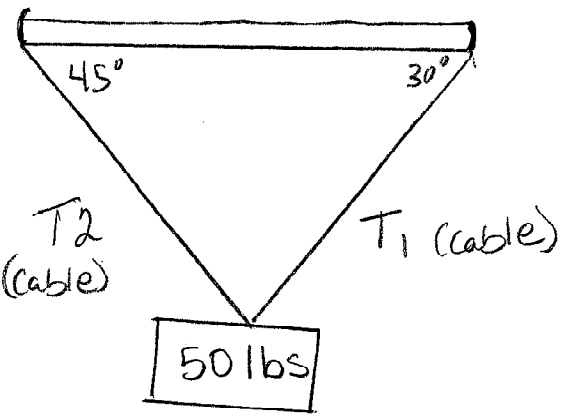


①

Find the tension in
 T_1 and T_2



$$T_1 \cos 30 = T_2 \cos 45$$
$$T_1 \sin 30 + T_2 \sin 45 = 125$$