

1.82m |.82 - × X FN1 = (37.2 K)(9.8 m/3) FN2 = (32.8Kg)(9.8 -1/2) - Center of mass = 364.56N = 321.44N 37.2 32.8 6 Te= Tec u $F_{N_1}(1.82-x) = F_{N_2} \times \sqrt{2}$ 1.82 FN, - FN, X = FN2X 1.82 FN, = FNIX + FN2 × $1.82 F_{N_1} = x (F_{N_1} + F_{N_2})$ $\frac{x = \frac{1.82 F_{N_1}}{(F_{N_1} + F_{N_2})} = \frac{1.82(364.56 N)}{(364.56 + 321.44)}$ = 0.97m