Ex 5.22 P157 NY FBD Nx = NsinB Ny = Ncor B NII along model axis: EF, = ma, = mv2 - Nx = NsinB Muz = NsinB NI who yours! EFy = 0 = Ny - W = Ncos B - mg = 0 mg = Ncos B (0)

tin B = V2 $\beta = 4n^{-1} \left(\frac{V^2}{r_g} \right)$ $= (a-1) \left(\frac{(25n5)^2}{(230-)(9.8-5^2)} \right)$ B=150