PROBLEM 1: (30 points) Replace all the loading by an equivalent resultant force and specify where its line of action intersects member EC measured from point C. Located at: 12:6/3/26/2 6-32 4 m from 6 3FRx = 8 Fx = 160 × (x00 30) = \$0 18 Fx = 53.56 KN9 4. FAY = EFY = - 160 x (Avi 30°) - 280) 7 EF4= -227. 12KNE 100 J. FR = VFRZ JAY2 - V58,5011/1903 · 0 = tan 1 + Ry



