Edgar Cortés Resérdiz 40A Ing, Sistemas F2-26KN Actividad 1 5 13 1400 N F1: 15KN 4-0,=90-40=500 2300 Fx. = 15 cos (50) = 9.64 F3 = 36 KN ty1=15 sen(50)=11,44 Oz= (0) 1/12 = 22.61° Fx3=36 cos (80) = 31.17 Fy3 = 36 sen (30) = -18 fx= -26 cos (27.61) = -24.001 Fyz= 26 sen(22.61) = 9.99 FY 9.64-24.001 +31.17 11.49+9.99-18 Fx= 16.809 Fy=3.48 1F1= \(116.80912 + (3.48)2 = 5282.54+12.11 = 17:16 KN 10 F2 = 150N 25 F=100 N Fx= 100 cos (15) = 96,59 Fy1= 100 sen(15) = 25.80 D2=40°-10°- 80° 1 F1 = 1122.6317 + (173.612 Fx= 150 cos (80) = 26,04 Fyz = 150 sen(80) = 147.72 115,038.11+30,136.96 217.54N FX Fy 96,59+ 26.04 25.88+147.72 +x=122.63 Fy= 173.6

