

30) COSO = TX 9) N2 EFy= may Fr+Tsinb-my=0 FN= mg-Tsin 6 ΣFx = max MSFN- TEOSO (1) Toose - No (my-Tsine) =0 TCOSO - NSMU) + NS TSIND Troso + Trisino = mg Ns T= Nsma COSO Usino 6.42 (180N) COSC42) +0.42 sin (42) = [74N

75.6 cose FO.42 sine c)dt (cos 0 + 0.42 s in 020) - 175.6(-sin 0 + 0.42 cos 0) ((050 + a42 5/10)2 - O -75.6 (sind +0.42cos 0 =0 0.42 cos6 = sine <u>COSO</u> = 0.42 Jon 6 = Q42 = 230 d) F = 75.6 (05 (23°) + 0.4 2 sin (23° = 69.58 N