Solution: 21-5-3,3-MK-003

A C

Given: D:60 kg 0:40°

Find: Tox TBA

D= (60 kg) (9. Elm/52) = 588.6 N

0 TAB = The (05 (40°)

EFy = TABy + TBCy - D = (3/3) TAB + TBC SIN(46) - 588.6N

() > E

0 = 3 (8) TBC COS(40) + TBC SIN (40°) - 586.6N

0 = 3 TBC (46) + TBC SIL (40°) - 588.6 N

0

 $T_{ISC} = \frac{588.6 \text{ N}}{\left(\frac{3}{4}\right) \left(cs(40) + sin(40)\right)} = 483.52 \text{ N}$ Toc = 483.52 N TBA = TBC (CS40 = 483.52 (COS40) = 463.00 N TBA = 463,00 N Check EFy = 3/5 (463,000) + (483,52N)S,h(40) - SEE. GN ¿fy=0