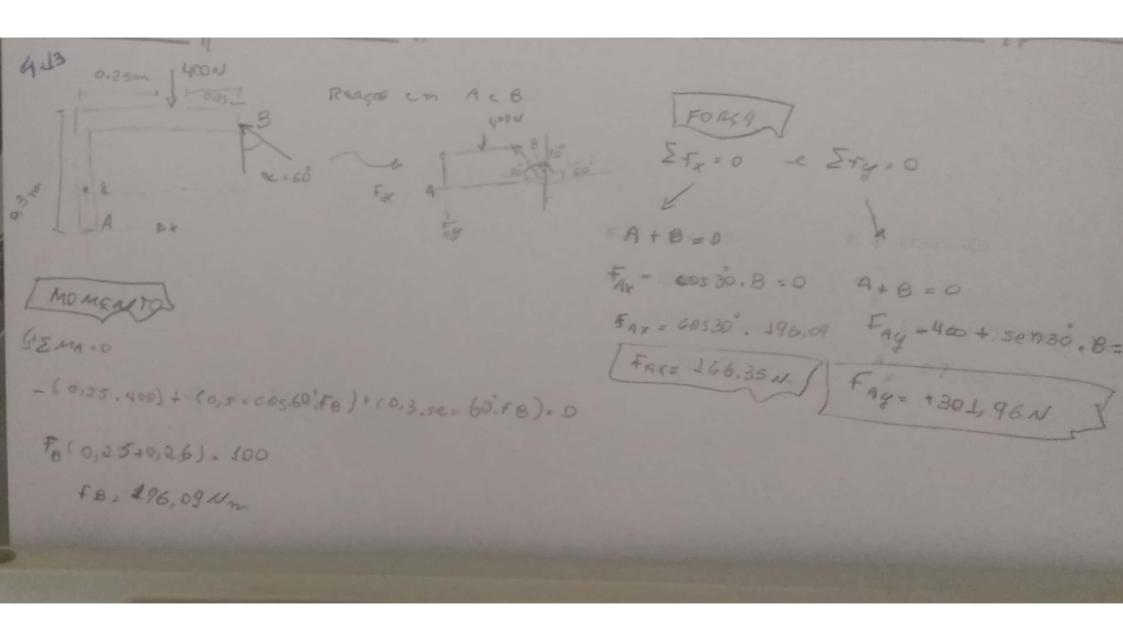


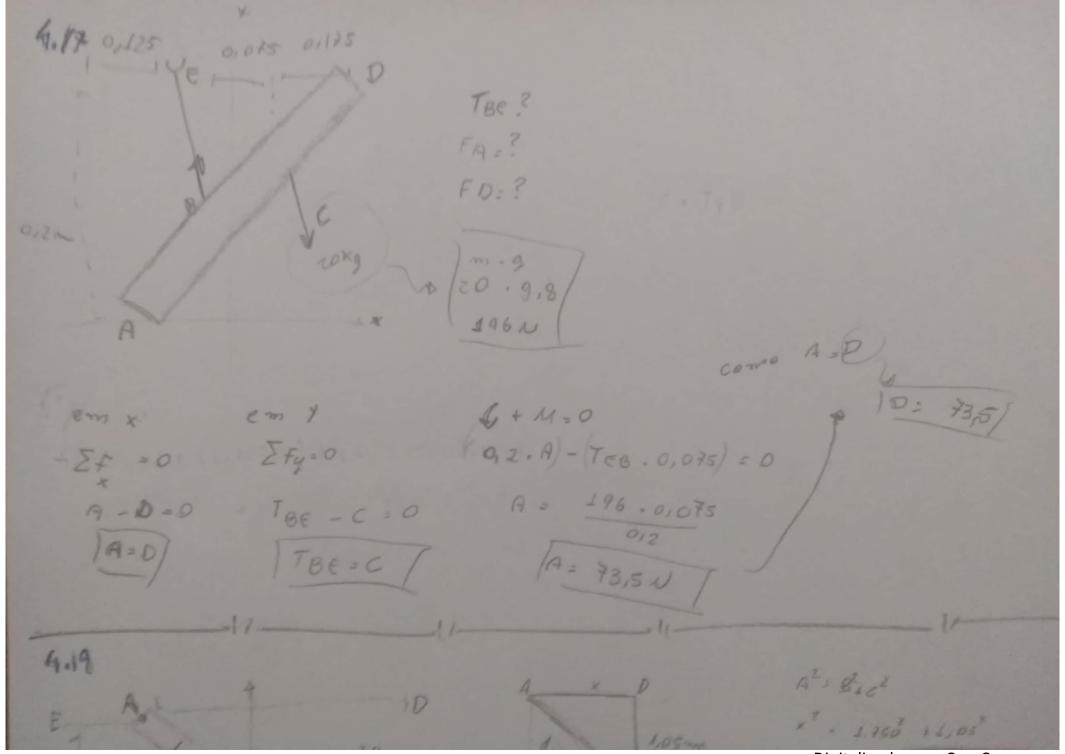
4.7 T- Forgo em Y E Fy : 0 \$2 4, 10 0 (v.+).0 6+D+P+X=0 48+0-P-X=0 + (0,9,0)+(1,5.0) -(2,1,1080)00 +C+(1512-0,6P)-P-1080=0 D. 2268 \$ (0,9.2) C = 1.6 P + 432 /D. 13 12 4 0,68/ 4 Para permanece em equilbrio . 60000 C70 ~ 1,68 - 43270 2 0710 ~ 1512 - 968 70

P7 432 316

P7 -1512
-016 P 7 2520 P7 270

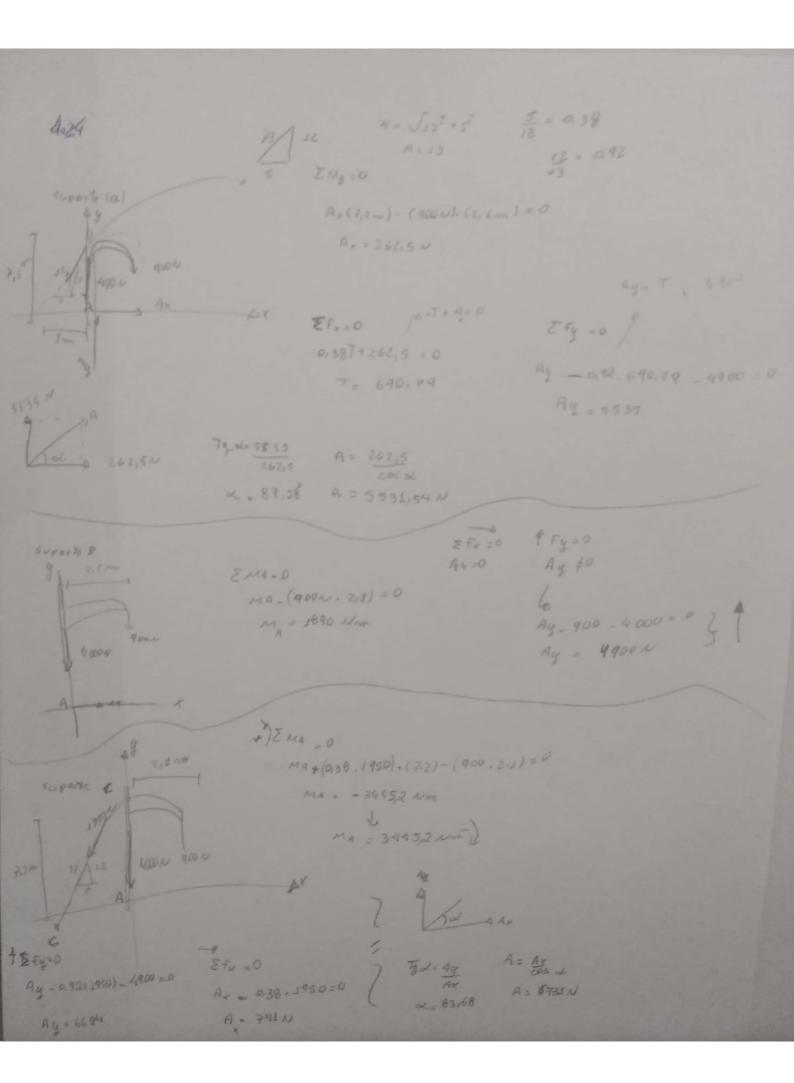
Digitalizado com CamScanner



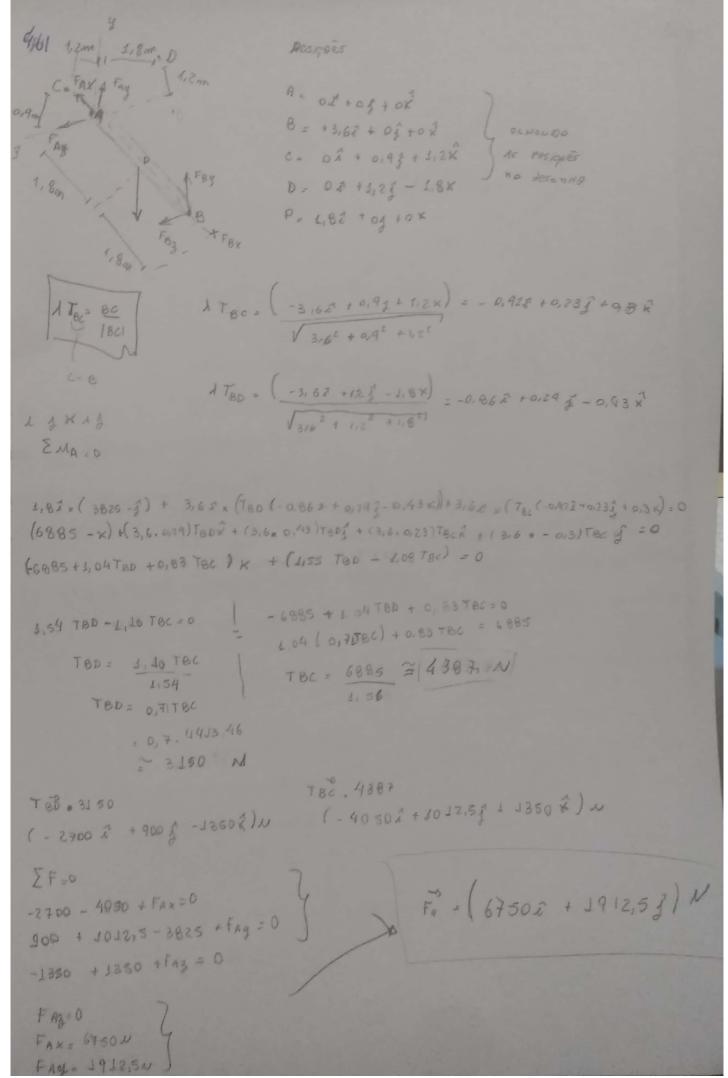


Digitalizado com CamScanner

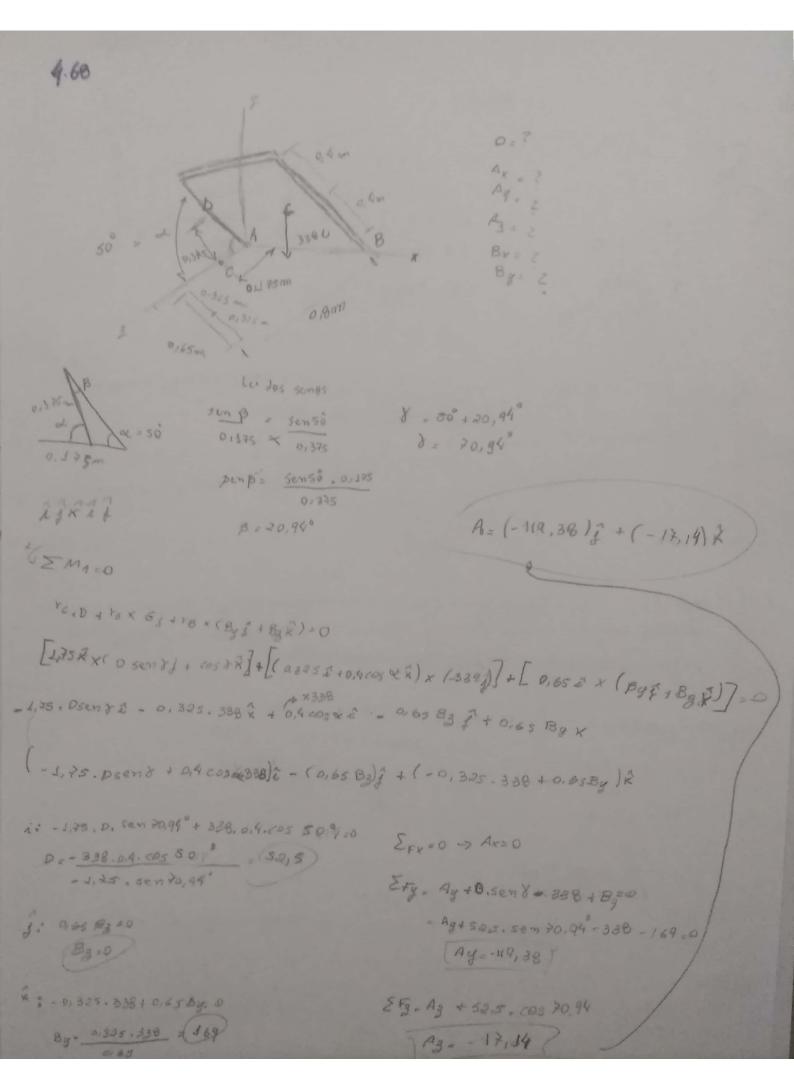
4.19 A2 8402 x 2 1.750 11,05 1,05 mm x = V 5,750 + 1.052 1x = 3,41 mm/ J. 1,050 0,846m al Tragos no coba AE 1,750 92ma 0 EF = 0 E F9 = 0 -Tax + 2B=0 2B (BD) - 740 2 = 9 24-720 Tre : 2. 292,61 | A= 360 M 28. 1,050 -720 . 0,846 = 9 TAG - 585,220 B= 720.0846 2. 1,050 B: 292.61



4.52 EMa . O TAB . TA + YOB . TE + YOB . TG = 0 YABTA + YOB ITC+ # GB (-80g) =0 ca tracas ocorre em y D= 15kxTA\$+(1,5/40,375x)xTcx+(0,500+0,35x)x1-366 Efq = 0 -1,5 Ta 2+ 1,5 Tck - 0,375 tc 2+ 0,75 x + 0,75 x) +360 (-1,5 TA -0,875 Tc +270)2+(15tc -270)2=0 74+ TB + Tc - 360:0 135+ TB+180 -360=0 lem K/ lem Il TB = 360-135-180 - 1,5TA - 0,345 TC + 270=0 1,510-270=0 FB= 45 270 - 0, 375 . 180 = TA Tc = 270 TA=1357 TC = 180M



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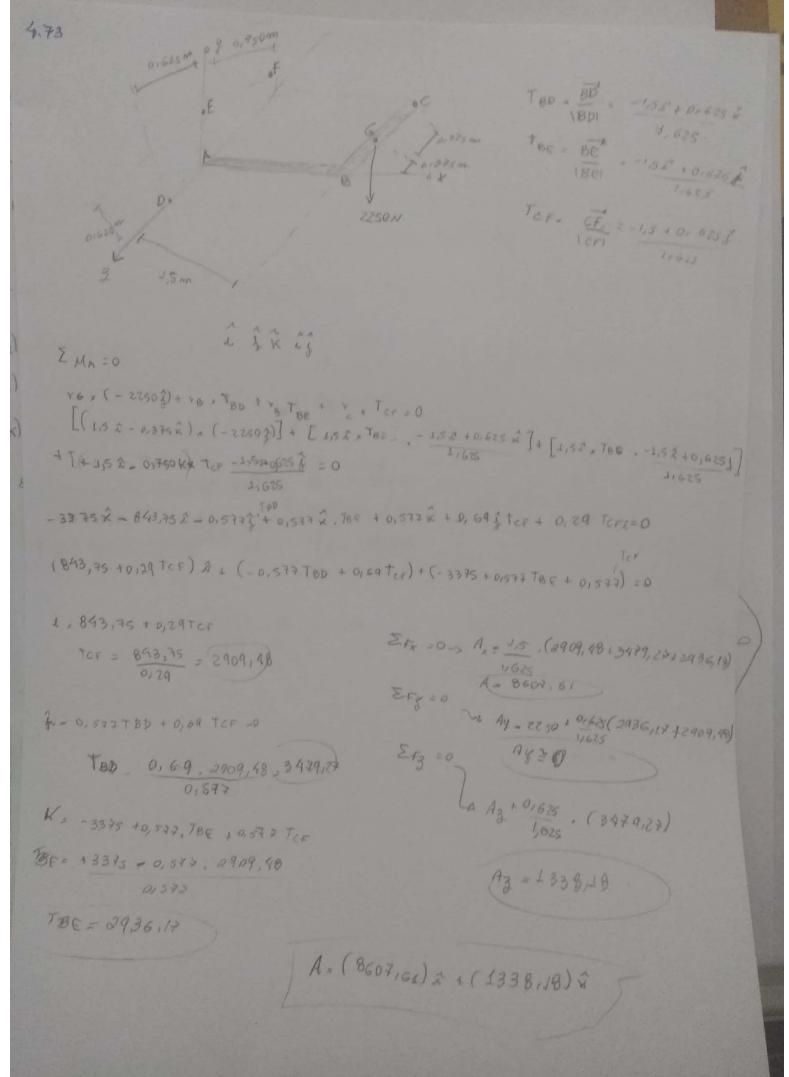


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```
470
  7- C15000 1(9,0) - 1674 /
  7 = (240)(-00 452 + 500 452)
                                 15 1x ( 0,2 + Axx) + 0.61x (-19623)
  7- - (104,05)2+(104,05)2
  W= - (2000)(2.8) = -196124// +(+122+1,755)x(-109,052+104,058)
                                    + (4,05++0,65+16 ( 8%) =0
- 1,5 Avk + 1,5 Az 2 - J17 32 - 124, 97 + 182, 12 + 1,05 Pf - 0,65 P2 20
Emx -> Ax + Bx - + cos 45 - P= 0 } Bx - + G1, 1N

Emy y >> By= W = 0 By= W= 196,2N
Em 3 3 +3+ 83 + 10/105 - 118/9 = 0 B3 = +84,7W
      B = [ 62,2 2 + 196,2 ] + 84,7 2 ] N
```

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