411. 3.97 2.75/1-2.21/3+12/2-12/20 Mj = (63,0,25)-(45,14,28) = (18,-14,-3) = 72=37.5-313 | FA] = 1/8+14+3= 23 0.21-0.1217-570-30=0  $\hat{Y}_{N} = \frac{YA_{1}}{|Y_{N}|} = (\frac{14}{23}, -\frac{14}{23}, -\frac{3}{23})$ ニングニッルリ Fil: 461h (-13, -15, -3) 1. 05 B = 12,04 D = 12 = 317-287-37 TAC = TC-TA -, 12 KM ER ED2KH 0 E Ø E B KN -, 1.2kN = 0 = 6kM = (0, 14, 0) - (45,14, 28) = (-45,0,-28) 4.19 (a) [10xu18-24xx4-24xxx8=x |mil= 245+18 = 53 能= 一間: (-型以一部) =) Tx= 16~H M: U2 (一芸の音) 14= 0.74 1x= 1x0 / -- - | Put - | mx -1 = d Trity = 200H (P) (x = 1x=1/Pn/1-> M= N- 11= (4, 14,0) Cy-Ty-26-240=0 =>Cy=168H1 QL 46.4° = -847 +175 -1764 MH = M+M = -18847 +275-2884F C=10200 = 2320 H

=> A = 18.75 Lb

D= 18.266

4.P7.