Hidter in 2 1) 0) Finness B) For = 1.25.10-(4.5.10+(5.20.9.8) Frot = 3.7.10 3.7.10 = 5.10 · a Formes Jw a= 6.2 m/s21 2) 0) F=== FBA 7002-700 FBA = -700 N 3) F=ma = 2000 (-200) =-400000 -400000 = -1000 + X X = - 399000N) B) Fron = -T, eos(10) + Tzeos (10) 4) 0) C) Frong = T, sin(18) + T2 sin (20) + 72 sin (20) + 72 sin (20) D) T2 cos(10) - T, cos (75) =0 T, sin(75") + T2 Sin(70) - 745 = 0 T2 cos(10) sin(75) + t2 sin (10) - 245 -0 T2 COS(10) T1 2 COS(25 T= 2840 T= 738N

1) c) V = W = 1.180 N B) fx = 0.3.1180 Js = 0.5(1/80) 3x = 354N 13,5 590 N 590-354=120 a a = 1.97 m/s2 2) Wx = Wsin(25) N=400 - W4 Wyz-W C05(25) fx = 0.1. (WCOS(25) Wsin(25) - 0.1 (wcos(25)) = max W(sin(25) - 0.1 (cos(25))) = max 9(Sin(25) - 0.1005(25)) = 0x 0x23,25 m/52 3) Fp = 2 Cp AV2 Fp= 2.0.75. 1.225.0.75.462 FD= 551.25N 4) A = Y(Ax/L) 0.005 7 (0.003) Y; 1502666666.6

1) 
$$V = rw$$
 $444 = 0.5 + 40 = 0.5 + 80$ 
 $4 = 80 r/3$ 

2)  $ton \theta = \frac{33 \cdot 3^2}{0 + 10^2} = 0,126$ 
 $980$ 

0 = 7.18°

3) 0) part 2 0)  $V_{71} = 400 w$ 
 $V_{72} = 800 w$ 

4) 0  $C_{6} = \frac{6673 \cdot 10^{-12}}{12} = \frac{14.61.10^{-14} m_{15}^{2}}{14.61.10^{-14}}$ 

8)  $ac = \frac{6673 \cdot 10^{-17}}{12} \cdot \frac{1.4 \cdot 10^{-2}}{12} = \frac{14.61.10^{-14} m_{15}^{2}}{14.61 \cdot 10^{-14}}$ 

9)  $ac = \frac{6673 \cdot 10^{-17}}{12} \cdot \frac{1.4 \cdot 10^{-2}}{12} = \frac{14.61.10^{-14} m_{15}^{2}}{14.61 \cdot 10^{-14}}$ 

9)  $ac = \frac{6673 \cdot 10^{-17}}{12} \cdot \frac{1.4 \cdot 10^{-2}}{12} = \frac{14.61.10^{-14} m_{15}^{2}}{14.61 \cdot 10^{-14}}$ 

9)  $ac = \frac{16.673 \cdot 10^{-17}}{12} \cdot \frac{1.4 \cdot 10^{-2}}{12} = \frac{14.61.10^{-14}}{14.61 \cdot 10^{-14}} = \frac{14.6$