Usungsblatt 3 m= 35 kg g For (B) FMX = BDX |FM < |FD) 1) 1. Newtonsche Gesetz: F=0 y: 0 = Fsiy + Fszy + (- ung) = Fsz cos 60°+ Fsz 1/4, 60° - 35kg. 9,81 m/s2 1:0- Fs1x - Fs2x = Fsq · sin 60 - Fs2 · coix 60 ° es Fsq = Fs2 · cox 60 = Fs2 · 0 577 => Fs1 < Fs2 V D m= 3.70-4 kg 4= 37° Fg = Ff &> 3.104kg. 9,81m/s2 = Fy cos 37° GF = 3.104kg. 9,81m/s2 = 3,69.163 kgm/s2 FJ = FF. sin P=3,69:103:04 32 =2,22-10-3 Ny 9 g-10° n= 0,8kg n2-0,25kg m=0,3 m=0,2 2. New tousches Gesetz: a = F/m 1. Newton'sches Geste: Fr = FR x: = FR1 +Fs1 +mig sin 0 = miaux y: Fun = my cos o FRI = FNI MI = MIG. COS O MI For =- mag : cos & ma - my 2 sin o - my dax x= FR2 - Es2 + mag sin 8 = madax y= FA2 = m2g : cos 8 FR2 = FN2: M2 = M29 : cos 0/2 FSZ = may cos o M2 mag sin o-may F37 = F52 41x = 42x = 4x -may : cos o : 1 1 - mag. sin o - maax = -mas : cos o M2 - m2g : sin o - m2d2x - mng: cos 8. M - mng: sin 8 + m2g: cos 8 12 + m2g: sin 8 = 9x (mn-m2) (-myn + m2 /2) g. cos & + (-m++m2) g. sin Q = ax (m1 - m2)

-c/2 - 6 24 -0,3+0.24 -0,3-02 20 -0,20 -0,20 -0,3 -0,0 -4, 5 m/2 - 6, 5 m/2 - 6, 5 m/2 - 6, 5 m/2 - 6, 5 m/2 -(m= pris. E(Emstern-) + 0500 to (Euterstern-)