3aga4a 1.4. DaHO: Es dyget Haxogutica & pabriobeciu, einu: $\vec{F}_2 + \vec{F}_3 + \vec{F}_4 = \vec{F} + \vec{F}_4 = 0.$ $F_2 = F_3$; $F = F_4 \Rightarrow F = 2 F_2 \cos(k/2)$ = >F= k 8582; F= k 8184; r= 2 r cos(4) => K 2 (3 x cos(2))2 = 2 k 8 5 2 cos(2) => => $g_4 = 2 g_2 \cos(\frac{d}{2}) \cdot \frac{\frac{4}{3} \cos^2(\frac{d}{2})}{\frac{3}{3} \cos^2(\frac{d}{2})} = \frac{8}{9} g_2 \cos^3(\frac{d}{2})$. 84 = 8 · 10 -9 · cos 3 (509 ≈ 5, 7735 · 10 10 [Kn] ≈ 0,577 [MKn] 84 = 0,577 [HKA] 3aga49 1.5. Dano: L, E, h. 1) Pemerue: (repe3 years dz,2) E = k = = ; elg = = aly => => dE = 1 2 dy', 2ge == Th2+ y'2 = h & cosd. OxidEx=dEcost, Og: dEg=dEsind. >=> y = h tyd => dy = th dd => of Ex = 451 Eo h cosd old; dEy= 48Eo h sind old

Ex= fire n Cost de = 180 h (and + sinds), anaro 201440. Ex = + 2 (cosda + cosda). = 48 % h \ (sind + sind)2 + (-losda + losda)2 = 1 2 \ 48 % h \ \[2 - 2 \cos(d2 + d_2)^2 = \] = 1 2 /4 sin2 (d2+dx) = 2 k & sin (d1+d2), Demenue: (4epes grung L) @ => dE= k 2 dy' Ex = Sk 2h dg' = 2k4T Ex = \ \frac{1}{2} k \ \frac{Ty' dy'}{(h^2 + y'^2)^3/2} = 0 E = \ Ex + Ey = Ex. 3/47 81 800, 470 h= 47/20 E= 1 & Jsin (detds) f, wan E= 1 1 1 hVL2+4h27 3agaya 1.6. Dano: K, 8. Pemerne:

 $dl = Rdq : dg = rdl ; ye r = \frac{g}{aRR} : de$ $de = res ra ; ge r = <math>\sqrt{R^2 + 2^{12}} : dR = \frac{g}{aRR} : de$ $02 : dE = dE ces v ; 2ge cos v = <math>\frac{g}{r} : \frac{g}{r} : \frac{$ E= 5 89 280 (214 R2) 3/2 dp = 478 80 (214 R2) 3/2 Отанина от муга только проекция на Ог => Е= Ег. Orber: E = Ez = 4780 (212+ R2)32