elmid) - B m, l, L, B, /n = 0, sina felilet) 1, VA=?, hogy evz m, Lomeg re valjon el a hengste Abl a Bjornt. B2, Kenymerens at A portlan! 1) Still a B portler eppen rem vallet et K=0! ma= F

t: mag = 0 + ag = 0 felonig (1) n:m (agn) = Fetting 8 - mg sin L n(2) b: m0 = Febors - mg cost +K abr = 1/2, R= erif VA munkatetellel stanitjul

 $A: t_1, B: t_2 t_2$   $T_2 - T_n = W_{12} = \int_{T} V dt$ T=mg+K+TR Kov=0, trv=0 idealy 12-1= Whe =- (M2-Un) G=mg=- dug, Ug=mgz 1 MVB - 2 MVA = - (0-2 langs sad ug) VA = VB - 4 gl sh/3 shd (3)  $\overline{t_2} = mg \frac{\cos 2}{\cos \beta}$ ,  $a_{Bn} = g(\frac{\cos 2 hh\beta}{\cos \beta} - hh\lambda)$ UB=RaBn VA = glsinß (condtgß-5Ahd) 2) StTA at A portlar to ma = F when to make = 0 o Va minimally NATIONAL TO BE TO SING SINA (2) bis m 0 = Fe cosp -mg cos L+K (3) an = VA Whent (3)-0(1) = TR = ... mg ( work - 6 sigs) TR-D(2)-D K= 65m2 mg

M=0, m=0.2 lg, R=0, 1m w=8.14 rad m contita Aportlol, alls helytetlen 1) B portlan a kenpteriró? 2, Vc=8  $w = \begin{bmatrix} 0 \\ 0 \\ \omega \end{bmatrix}$ alli Sex, y, Z, A3 motes LF, 2, 5, S] (horogal)
dinamilie algotetele Browth

I - + ma = + a = &+ age + acor & K+6 md+mag+macer=F = tom md=F+Ts++Twr=Trac -Ts+ -Twr

O) FD, 27 ast = an + Ex Seb + wx (wx Seb) = [-Rw2] aws= 2wxBB VB=VSZ+RB, VSZ=Vor (wx SeB) = FO, B=FBB

BB munhatetel segret segret segret of o o o

- 5 \$ KB . Frz & BB Tear = -2mwxB=+2mwBB & munhatetel (relatio)

Imps 2 - 1 mps 2 = Streep dt = Street toops

t, t, The Tsylettoops T=K+G  $K\circ \beta=0$ ,  $K + d\beta$ ,  $G=-\frac{\partial U_{\beta}}{\partial s}=-\frac{\partial U_{$ St. B dt = J-dUz = 1 mw2 22-0 Tg=-mag= mw28 - Mg=-11 mw2 52

In solis 40 mindaja

The form 
$$\beta = (2 \times \kappa \beta) \cdot \beta = 0 \cdot \delta$$
 $\beta_{2} = \gamma_{2}$ 

I who is might in with  $\beta_{3} = \sqrt{2gR + \omega^{2}R} = 1.529L^{4}J^{2}$ 

disamila algorible

 $M_{2} = \frac{1}{4} + \frac{1}{4\pi} + \frac{1}{4\pi} = \frac{1}{4\pi} = \frac{1}{4\pi} + \frac{1}{4\pi} = \frac{1$