M=0.1Kg M=0.5Kg d=0.5 m 0= 1/2 mg d(1-xing)+m, (1-xing) = g.d(1-xing)(m+m)= \$0.613 = E0 M,= 24, r=0.15 m d=0.12 m M=0.344 / M=0.23 Nm (=1.2) $I_{\alpha} = M - fd$ $I_{\alpha} = fd$ $I_{\alpha} + I_{\alpha} = M$ $\theta_{i} = \frac{1}{2}\alpha_{i}t_{\alpha}^{2}$ $\theta_{i} = \frac{1}{2}\alpha_{i}t_{\alpha}^{2}$ $\Delta L = Mt_0 = I_1 \omega_1 + I_1 \omega_2 = \frac{(\theta_1 - \theta_1)_2 \pi}{2\pi}$ and $m_1 g_1 m_1 + m_2 = \frac{1}{2} I_1 \omega_1^2 + \frac{1}{2} I_1 \omega_1^2$ W=2 kg V=0.5m M=14.4Nn K=8Nn 2 M= 17 N=0.2) di = Mer Jal John Must Ide = M-KN Jan = Jat $\frac{1}{L} \left\{ \frac{1}{K} \ln \left(M - K \omega \right) \right\}_{\alpha}^{\omega} = -\frac{1}{K} \ln \left(M - K \omega \right) + \frac{1}{K} \ln M = \frac{1}{K} \ln \frac{M}{M - K \omega}$ Met = M-KW 40= M(1-et) lim W= M= 1.8 rod b) m, D Iω= I'ω' mx'ω=(mx'+ mr')ω' mx ω= 3ω=1.2 3m M=10Kg Y=0.2 M=5.88Nm n=205in M= Mmg == 1.96 Nn I= mg = I= In=0.2 kg me I an = Ma - Man on = 12 6 red I ar = Man on = 9.8 red 20.27 = 1 ant += \ TOT = B.65 L= MA += IWA+IWO MATT I (ω, 1 + ω, 1 + 2 π ν (n, -n) ματτ 807M= It (xx+xx) + 47 NB Man Ming = 807Ma-It (xx+xx) = 10 NB=10 $M_{A}^{2}+M_{B}^{2})+4\pi M_{B}^{2} \Pi_{A}^{2} \Pi_{A}^{2} \Pi_{B}^{2} = \frac{1}{4\pi} M_{B}^{2}$ $M_{A}^{2}+M_{B}^{2})+4\pi M_{B}^{2} \Pi_{A}^{2} \Pi_{A}^{2} \Pi_{B}^{2} = \frac{1}{4\pi} M_{B}^{2}$ $M_{A}^{2}+M_{B}^{2})+4\pi M_{B}^{2} \Pi_{A}^{2} \Pi_{B}^{2} = \frac{1}{4\pi} M_{B}^{2}$ $M_{A}^{2}+M_{B}^{2}+M_{B}^{2} = \frac{1}{4\pi} M_{B}^{2} \Pi_{A}^{2} \Pi_{B}^{2} = \frac{1}{4\pi} M_{B}^{2} \Pi_{A}^{2} \Pi_{A}^{2} \Pi_{B}^{2} = \frac{1}{4\pi} M_{B}^{2} \Pi_{A}^{2} \Pi_{A}^{$ Is & = M-M2 IA da = M2 Wa(to) = da to wa(to) = dg to) Quantitiens. Mit and with the $M_{A} f'\left(\frac{I_{A}+I_{s}}{I_{A}I_{s}}\right) = \omega_{so} - \omega_{Ao} \qquad \qquad \underbrace{I_{A}+I_{s}}_{I_{A}I_{s}} = \underbrace{mr}_{r} + \underbrace{\frac{2}{2}mr}_{r} + \underbrace{\frac$ MA= 2mr26 (ας-α)= 2mr26 (M-M) - M) = 2to (5M-5M3-2M3) = to (5M-7M3)

7t' (5M-5M3-2M3) = to (5M-7M3)

M. (+1-t) Ma+teMa=5teM Ma=5teM = 5teM = 2.3Nm W, (1-to) $\omega_s = 0$ $\alpha_s t_0 = \frac{M_2 t}{I_s}$ $\frac{M-M_3 t_0 = M_3 + t}{I_s} + \frac{1}{1} = 8.34 = 1 + 4.145$ M,= p. Tr, 2d, = 1979 Kg Mz=p(Tr,2d,-Tr,2d,)= 704 Kg I,= = m,r,2=89,1 Kg m,2 I2= = 87 dz (r,4-r,4) = 119.6 Kg m 1): I, x = 0 = M2-M, Iz x = M2-M2 000000 W2= 02 to 02= 1.26 mg 2): $I_2 \omega_{20} = (I_1 + I_2)\omega$, $\omega_1 = 72 r_2 d$ $\omega_{20} - \frac{M_2}{I_2}(t_1 - t_2) = \omega$, $M_3 = \frac{I_2(\omega_{20} - \omega_1)}{t_1 - t_0} = 128.4 N_m = M$. M - M. +T. x. - 279 1 NA