2 t = \frac{2h}{9} \frac{1}{3} \frac{1} \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} \f (a) Vey: 1400 +00 = 13 n m/s. hner = 129 = 15.3 m :. Hrays = me yran = 574m (h) acom = 3.68 m/s2. arom = (-3.68 m/6 3) ch) I = f.t. 2 0-mv = (mg.f + mg.t = (mg-f).t it = Frog & I = f.t = 4793.27 mg kg.m.s-2. (10).  $\int_{-2}^{2} \frac{(6+2) \times 10}{2} - \frac{(\times 5)}{2} = 40 - 7.5 = (3).5 \, \text{kg} \cdot \text{m·s}^{-2} = (6+2) \cdot \text{m·s}^{-$ (c) = 40-10-20-30 , 120 = (126 m/s) 1.  $\frac{V_b}{V_0} = 2. \frac{V_b^2}{V_a^2} = \varphi.$ V = - Na = m. Nr. 13B = 2.2m+Va3= = m.1,2 = 80. : = 2 : kA = 30 T KB = 160 ]. 5>" apr = ov.m= Toom/6.0.0 = 7 kg.m/s. -, D+R=1.4 m/c : 72- 209 = 1.4 = 0.1m

64.



