```
מב 8
    M=20 /cg
    m = 80kg
   d-0,8 129/s
                          20+80-0,8-t=60
                             -0,8t=-40
                               t=505
   M=20kg
                                 715en/c8 2
    V=4m/s
   m = 80/cg

d = 0,8 kg/s
                     283 DO 8 (2) = 200 E89
  Mo = 10kg
mo = 7kg
                                   m= M-2t
  d = 0,1 kg/s
  Vo = 80 m/s
                        m·U(t) - (m-sm)·(U(t)+su)
  Co = 24 m/s
                                  7 sp. (U(+)-16)=
  ty= 695
                    = m. Wf) - (m. Wf) + m. s V-
                       - sport(+) - smot (+ sport(+)-
                                 - Dm. 6) =
                           Am. Vo - msV
                       Dm. 6 = m. DU
                       tast. Vo = (M-dst) du
                      Solodt Lu(t)
N-2t = Sdel
                   - 16 Cer (H-at) / =
                 - 16 len (M-xt) + Vole (M) = 4(1)-40
Vo(len M - len (M-xt))= 4(+) - 40
                  Us + Vs. Ca | - (4)
    (e(t1) = U(69) = 24 m/s + 80 m/s. le/ 10-0,1.69/=
                = 117,6946
                  300 p83 pox 86:50 2000 (4)
M-783+80

Vo. 515/21

2-76/80/23
                      mg 1/3 's 513
                   Fext = -mg = DP
U. = 0
                  t: p= M. UH) = (M- at) UA)
                 t+st: \vec{p} = (M-\alpha st)(\vec{u}(t)+s\vec{u}) + (\alpha st)\cdot (\vec{v}_{o} + u(t)) =
         2 = (MH) - xst) (u(+) + su) + (xst) (vo + Gy)
                - MH. U(+) =
         = M(+).(d+) + M(+) = 0 - 25t (u(+) - 25t 50
            + (2st Vo + 2sta(+)) - 10(+).4(+)
            mg=M(+)ou+LotVo
        M(+)= m
     y 1 : -mg= m = - Vo
            -8 + Vo mot =
             S(-8+ Vo Am ) st = S & vo t -
             -gt + 16. len (M-2t)
                                   - U(t)
   h=10m
   Q-20/cg/s
   Vo - 12 m/s
   Wo = 740N
   9= 9,8 1/32
                     Spens 880 810 :5000
               (200, 0,000) Drey :872
    78 (20) 8622 SID SE DID DN 16322
            10m = 12m/s. t+ 9.8t2
               4,912 t-10 =0
               D = 122+ 4.10.69 = 127+ (14)2=
            £ = -12+5340'
28 = 0,657
            V1 = 18,4390 = 2585
          t: p= M.(t)·u(t) + V1. dta = V1. dta
         1+1st p=(M(+)+d.d+).U(+)=0
              AP Vidde Jidn
             N-mg = Veod
             N= mg + V·d=
                  ng = 740-20 kg. 2585 kg.
                   = 371,218
   W=40m
  V = 17, 888543819998
                         711/c2e en :000
                                 wren: Rr
             m-m-V.t Sperison
            \frac{dp}{dt} = \frac{\frac{m}{2} \Delta t \cdot V}{\Delta t} = \frac{m}{2} \cdot \frac{v^2}{2} = F
            (m- 7.V.+)g+F=N
             mg+ m.V=N
             10+ \frac{1}{40} \cdot \v^2 = N
                  912 M DCOND So Spen
2 4 9. t
               Pt = 2t2 M. 0+ (M- gt2.M).gt
               P++s+= (M-9(6 TOT)2H)8(-1+of)
                        gt M/-2+ot),
         =\frac{DP}{Dt}=
                      1/9M-9t2 M) st=
              = -92t2 M + mg - gt2 M =
       m_0 - N = -\frac{9^2 + ^2 M}{L} = \frac{3}{2} + m_0
            t=0 = 1 \quad mg-N = 0 + mg = 1 \quad N = 0.
\frac{1}{3}L = gt^{2} = 1 \quad gt^{2} = \frac{2}{3}Lg
          mg-N=-$469. 7.3+mg=0
                            016ND 500N M (8)
                       e) 8'85 Se 50~ mo
m(+) = (H+mo) e - x+
M
          F = \( \frac{\delta \beta}{\delta \eta} = \)
            Pt: (M+m(+)).0
            P++0+: (N+m(++0+)-0+ Uo: (n(+)-m(+1-01))
     mg = AP = Uo.(m(+)-m(++o+)
              = Uo·(M+mo)(e-x+ e-x(++st))
     = Uo. (M+mo). e - x+ (1-e - xs+)
        (m+no) e-xt. x = g(M+no) e-xt
                      10
                            = 5,494
```