1(17 (17) CD 878429 KD $(5) = \frac{1}{dt^2} \frac{1}{3942} \left(97\frac{2}{3}\right)$ => & (3y 2) dy = dt => (4x2) dy= dt=>39 = 24 = 6 =>392 -49-2(+-c)=0=>912= -4=\(\frac{16+244(++c)}{6}\) = -4=\(\frac{14+6+4c}{3}\)

. 16-65 NIIN 2 NY (11/6) Sh (2/10/1) (1/10) (b) 2, dy y (n-y) y(1)=n 9(n-9)=0 Jy=0 how (u) mao 19 = dt => (A + B) dy=dt => A(n-y) +By=n => A=n=>B=1 => (1 -1) dy=dt=> ln/y) = en/1-y= t==> ln n-y==t=c In/9-11/9-9= t+c=>[n/2=++c=>[k=+e]=> = k.e $\frac{\partial}{\partial t} = t \cdot e^{2} \Rightarrow k = \frac{1}{e^{2}} \Rightarrow \frac{g}{g-1} = 2e^{\frac{t-2}{2}} \Rightarrow g = (y-1) = 2e^{\frac{t-2}{2}} \Rightarrow y = 2ge^{\frac{t-2}{2}} - 2e^{\frac{t-2}{2}}$ $y(2e^{t-2}-1)=2e^{t-2}-> y(t)=\frac{2e^{t-2}}{2e^{t-2}-1}$ $t \neq 2 = 1$ $t \neq 2 = 1$ $t \neq 2 = 1$ $t \neq 3 = 1$ $t \neq 3 = 1$ $t \neq 4 = 1$

