du = ut , t∈ [0, 10] Ec. separable: du \_ dt => ou = In |u| = t => u = e t dt t(1-9)+120: -9 = (t+e)(-9+1) t(1-9)+c2 -9+ +t -9c+c  $u(t) = [t(1-q) + c_2]$ Si 4(0)=1 u(+)=[t(1-9)+1]