Aut 24as M; = few hote +6 2 1 1 4- 3 Encor 0 s Regliver M(n), In a sample w (21/2) 90 2/2 Po

- DRE (96 (2/21) 11 P(2) + Egg(2/n) by (Pa(2/2)) regalaide. (N(0,I) by -> M(n), 6(n) by (Po(n/2)) Toutpe of De odn. L [N(n(x), Z(x)) | N(O, I) + 11x-f(2)1v.

Podata (n) 28 Sunday 2

Min may, Game, Value for chr:

nin max V (G7,D) = Enr [In (D(n))]

G D + F [dy (1-D(q(2))] Binny Cmy Evopy. 2 = -2 yln ŷ + (1-y) (n(1-ŷ) where y=1, g= D(n)=) L=ln [D(n)] y=0, g=0(a(2))=)/= en[1-D(a(2))] Addry of = &u (D(h)) + ln (t-D(h(z))) [ (L) = [ [ (n D(n)] + F [ (n [ 1-D(n(z))]) = [ Polate n) ln [0 (n)] + 2 p (2) ln (1- D(G(2)) De data (n) en (D(n) den f fp (2) fra (AD CA) de  $\mathcal{C}^{\frac{1}{2}}$ 

Vanishing Grand: GRU, LSTM. fm GPV: ht = foht. + (1-f)0 g Memory cell: Cet projet Dinput Ct = f OC+ 1 + 0 09 ·h = 00 tanh () output Of[0,1] f = 6 (3f) = 6(27) = tanh(2g)

