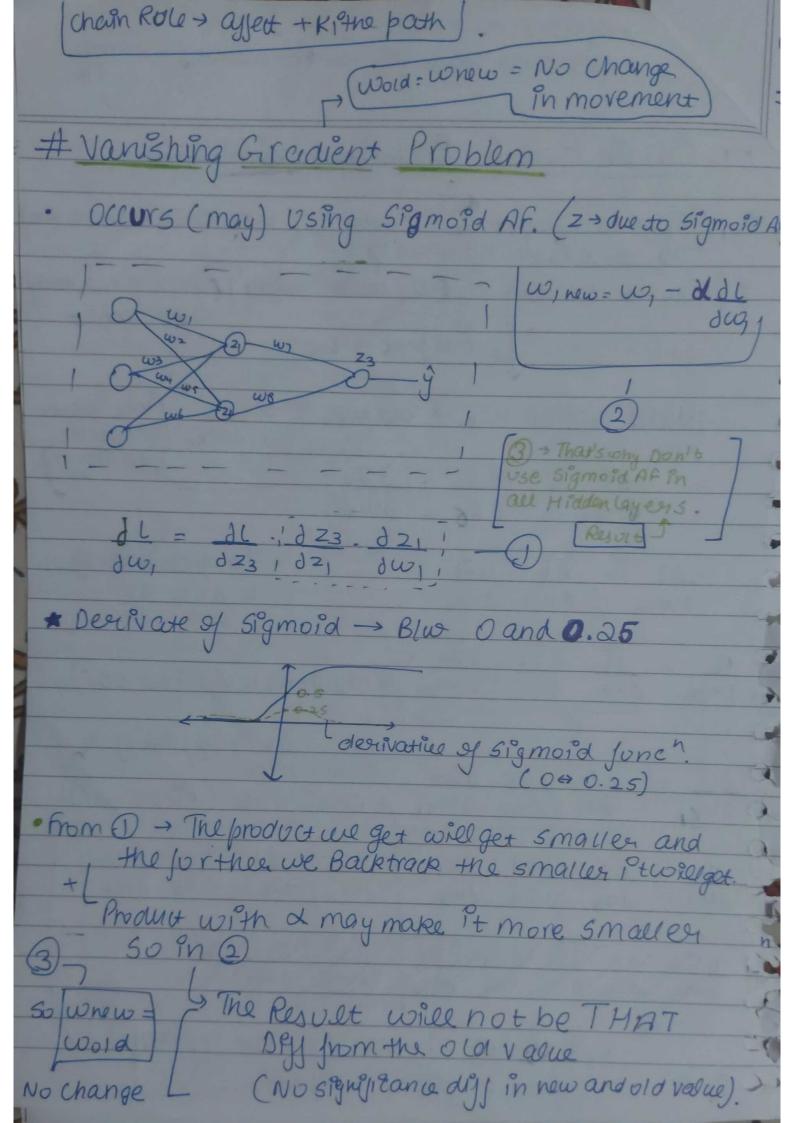
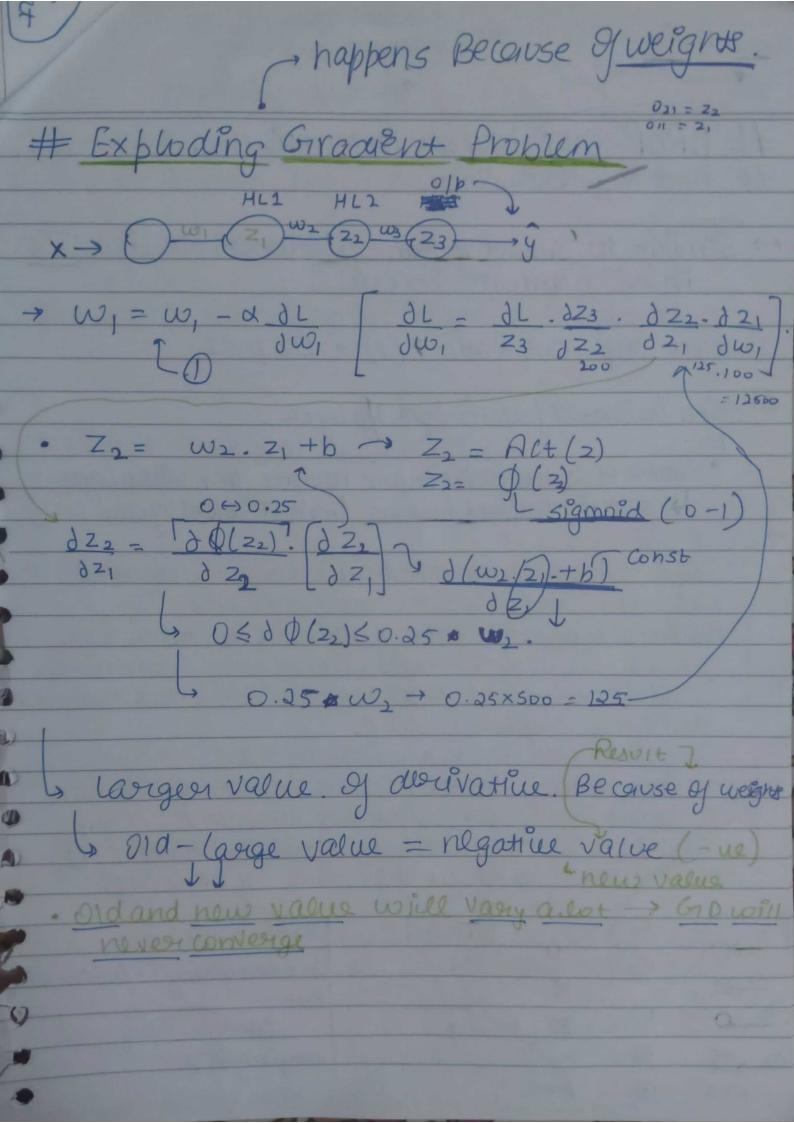
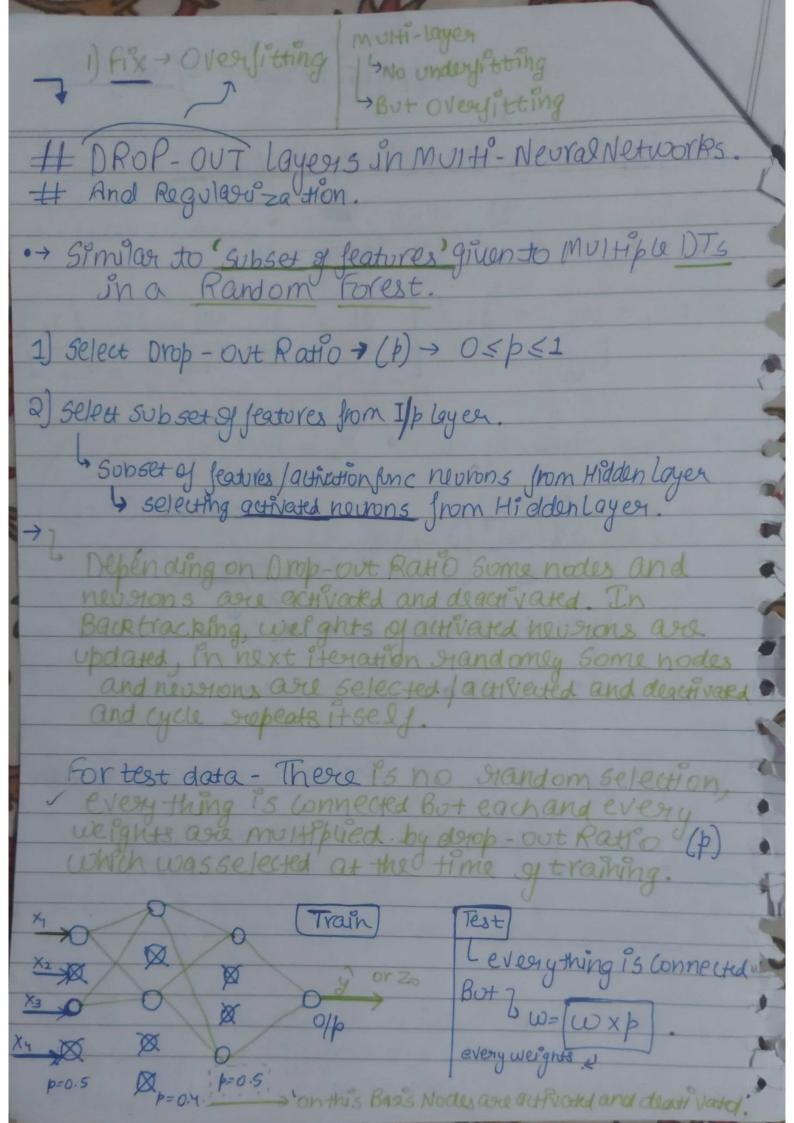
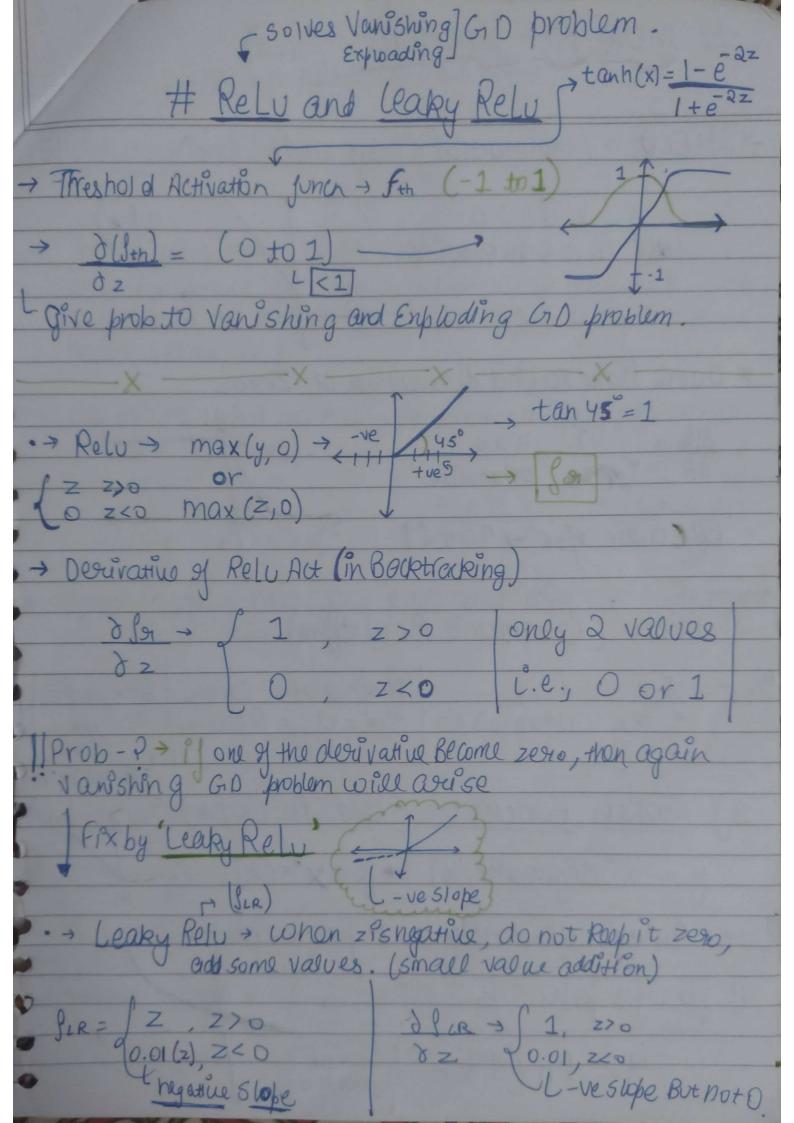


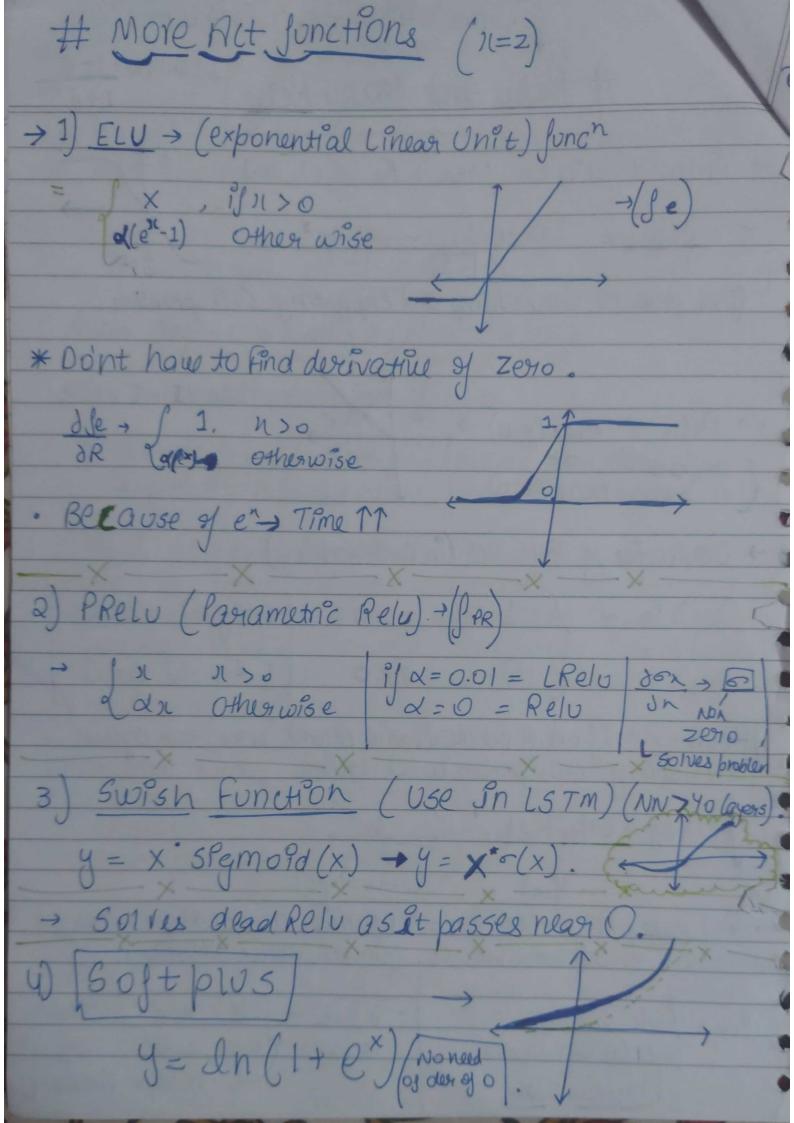
· AJ teasome epoch > if loss) > · Age & some epoch - By loss for Doesnot 1 -> x -> prob with a. Chain Rule in Back Propagation Z1. W50 - OUHOUT O, -> Z1. W51) (W50 similar same to W5) -> + 22. W60 + 23. W60 Ka Whole 9ct 24. W80 - Output 03 (03 0000000 weight 1 (04) E 0 21, 2, and 2) and 24 and 25 Coss June > L updated weight w80 > old w80 weo updake Q dL d W80 or affects the Result dl = dL .; dZ6!
dw80 dZ6!dw80: DL . 026 To up date w 9/2, dwgo dz6 dwgo 1) dL + dL Juso Jusi dL = dl. d 26. d 24 8 W50 dZ6 dZy dW50 p chain Rule (Piche sai) de + de = up/slope of Zh 16. 026.025 dL = , Chain Rule (Piche sai) 1.26 2 w60 125 DW51 dl = dl. d Z6. d 25 dL. 126 - 124 dl =_ Jw71 226 d 25 dw21 026 d 24 dwg DW61 2006 1950 1950 1950 1950 1950 1950 1950 1850 U1 + U2 + U3 ... Un (n=no. 9/ paths) 02 . 024 from 2, there is apaths



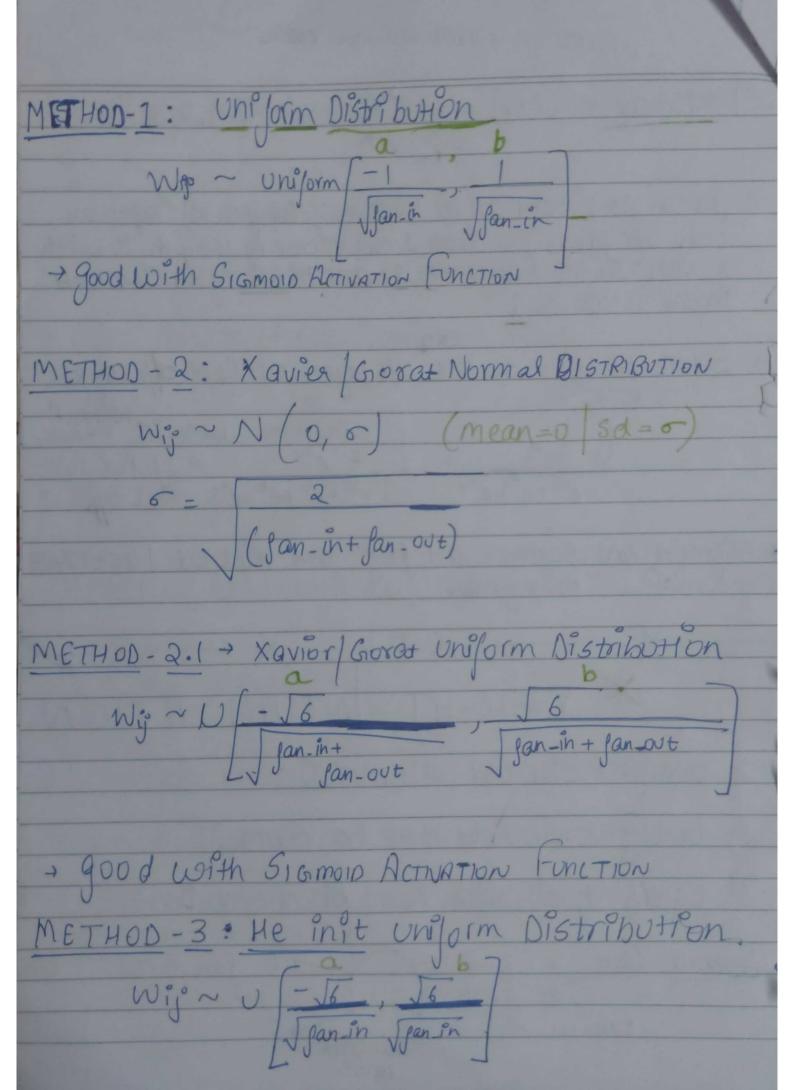


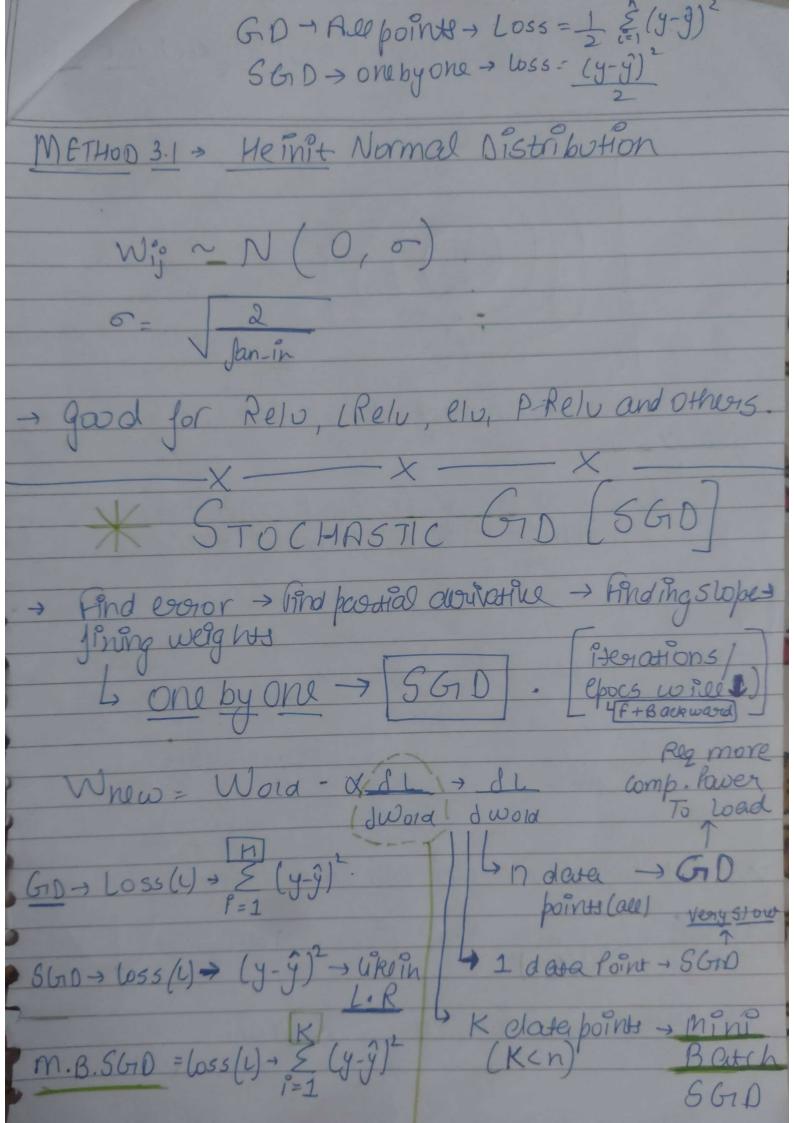




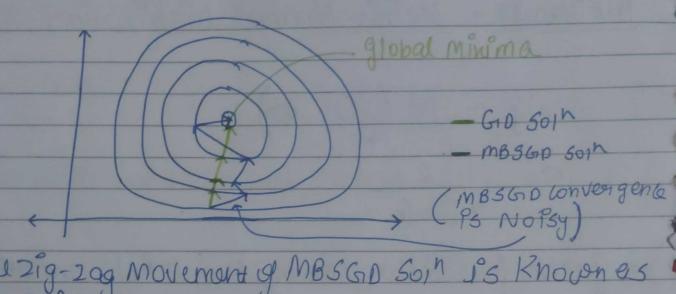


Works on probab and real valves
5) softmax -> $S(x_g) = e^{Nc_g}$ $\sum_{K} e^{N_K}$, $j=1,2,3,K$.
> for an ambitary real Vector of Conath K softmax
can compress It into real vector of length K with a value in the Range (0,1) and this way the elements in the vector is 1
Before the Input to the Olp layer or Ilpg off (eyer dr., 12, 13, my)
Before the Input to the Olp layer or 1/p of olp layer Lens. Lens. 1 1, 12, 13, 14y 1 1, 12, 13, 14y 1 1, 12, 13, 14y 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
* Sigmoid and Softmax at Jones and Rept at lastlyen. (>0.5, <0.5) (Roung of Probab)
——————————————————————————————————————
1 weight should be small.
a) weight should not be same.
Research Terms > Jan-out
fan-in Hiddenlayer Nevron





30-20 supresentation of GD and MB 5 GD



The zig-zag Movement of MBSGD Soin is Known es

We use MBSGDwith Momentum to Climinate this or remove thus (Noise)

Jword ms 560 Sample

* Global and Local Minima

2) Not every loss junch gives Gograph ->

2) some loss sunch may give graph

grobal minimu