Assignment 03

M-Usama

20K-019D

SK = f (
$$\sum_{i=1}^{M} w_{i}^{k} a_{i} + w_{i}^{n}$$
)

for S $\rightarrow w_{i} = w_{i}^{k} = -2$
 $w_{i} = [0.2 \times 3 + 0.4 \times 5 + 0.6 \times 2] - 2$)

S' = f ($[0.2 \times 3 + 0.4 \times 5 + 0.6 \times 2] - 2$)

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S' = f ($[0.1 \times 3 + 0.9 \times 5 + 0.7 \times 2] + 2$)

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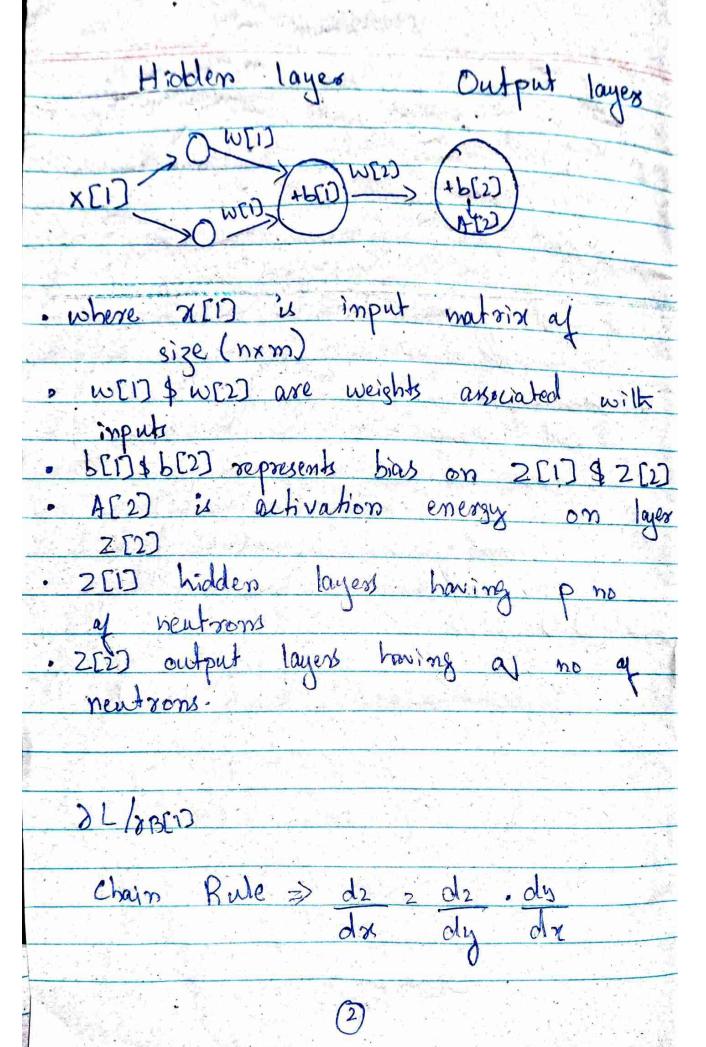
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The loss (1) depends on 2[2] which depends on 2[1] which itself depends on BEI] dL = dL dL d2(2)DBCID DBC2D DAC2D DACED 2CD DECID DBCID In the above expansion equations we replace the Symbols with exact function which are mission-Back propogation allows updation of weights and biases based on error rate in forward. · Back propogation recluces computational and memory cost for neural training.

Initial Matriz Matria EF A B OD Starting Pos => B 00 0 Next Step 00 0 Emploration ratez 0.8 0 0 0 0 0 reward 00 0 6 00 0 & (State, action) = B (state, action) + toman + M-Max Co (next state, allocation) R (B,F) + Y-Max [Q (F, B)+Q(F, E)+Q(F, E) (B,F)= R (B,F)+ 0.8 Max (0,0,0) (B, F)= +000 + 0-8(0)=100 they Updated Matria 0 0 100 B 00 0 C 0 00 0 0 0 00 G 0 0 00