

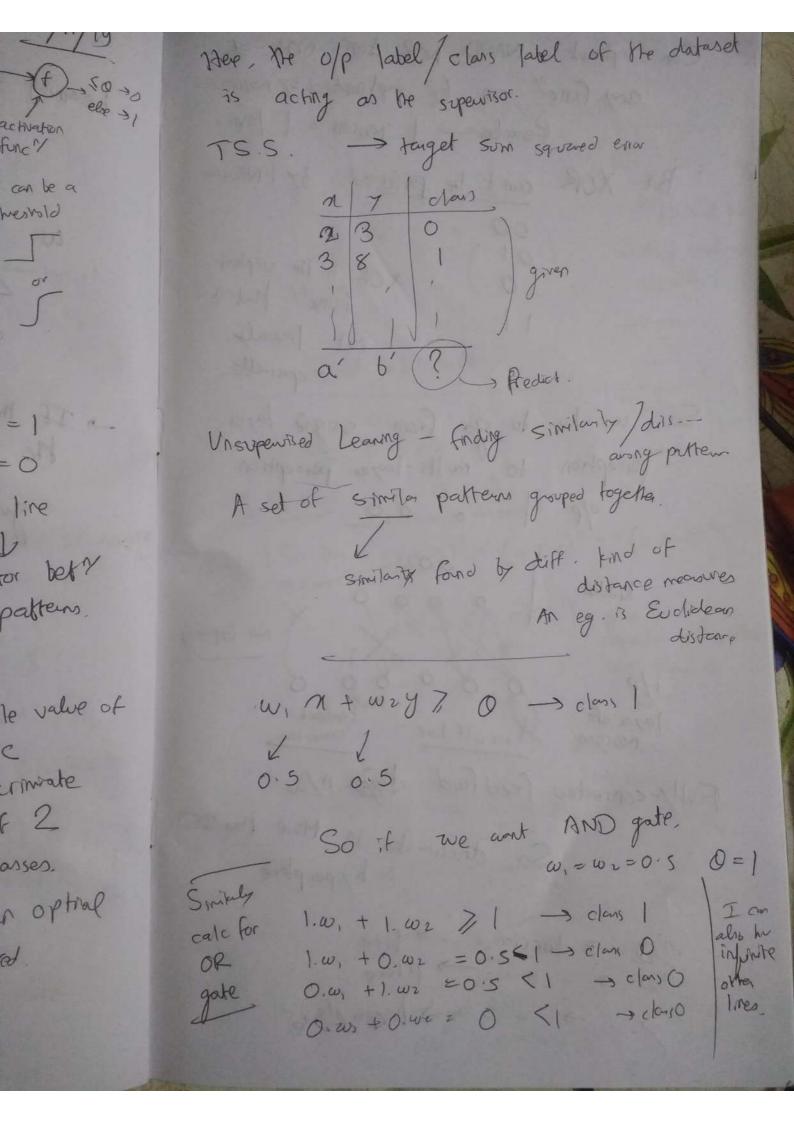
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Unsupervised A set of

W, 1

Similary calc for OR gate



Can Explerent NAND, NOP, AND, NOT, etc. any Fine" can be implemented by neurons Remember - | neuron = 1 Ing But XOR count be performed by I Neuron XOR is the simplest Func"/ hat 3 not Inearly separable So, we he to go from single layer pereption to multi-layer perception. 0/0 000 ~ × NO 678-1139 layer of reurons & Noself loop Fully-corrected feed fund togen 1/w So, discrimator in More han 350 is hy perplane -> discrim ---> line - - - > hyperplay

OT. etc. > 3 - class problem by revons 1 Inc. All, wis , & y Neuron Wix set to random valves initially te simplest ny fratis Inearly Say at o/p rode: faid pars | pars | epats separable. 0 0 0 0 prediction 0.9 0.7 0.2 le layer exception, G.T. 100 50 fer is (1-0.9)2 + (0.7-0)2+ (0.2-0)2 7 error 0.2 0.6 0.6 even if properly classified Still Have D No 67 Pmsgy error. Frain error ection Jest error /w So, in case of XOR More Man 350 er plane In 1st long, we get AND So by miltilosey then in 2rd long or get arox Je