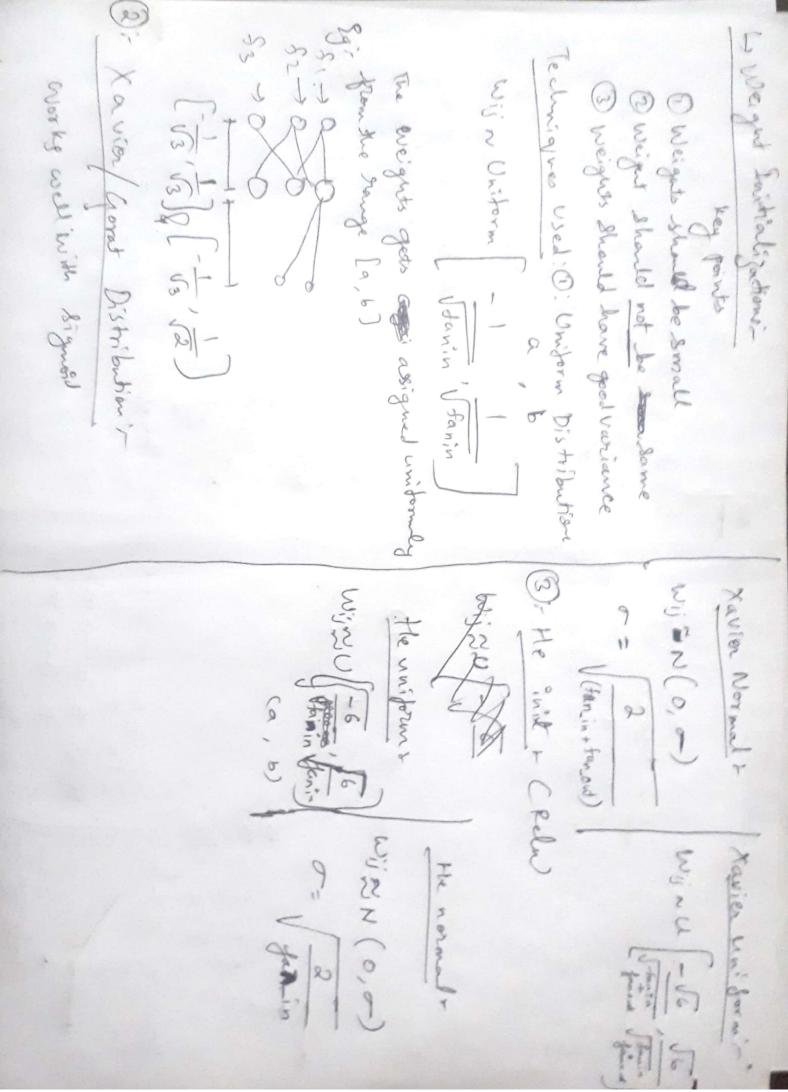


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4 Drop out & Regularization + Explosing gradient problem: When more layers are there in Neural · In exploding gradient problem, generally the Newral Network, overfitting tends to occur weight is given higher value abue to which But we will never face underfitting 1 2h has a bit higher value then the · Ways to salve Rogular Jation of Life When & Wold will vary a lot -· Way to solve Overfitting A Rogularizations 1, 12 So that the gradient descrit does not converge to load minima. 4 Proport + F-Q 8 F -> ® 73 -> O4 Fy 00 75 -18 you assign Puntin Dapont ratio (P): Barameter during newsons gets bropped out dearline only The active neurons closes the operation after I protess, again randomly other newsons gots a chivated and portoms trainne of So that only few neurous participate intrium

the remon are trained-during training times. Test time + Puring the test time, all the Newrons gets activated and connected When derivate becomes o in 200 their Note for all the weights will be multiplied When = Wold - 7 32 by the dronwort ration in each & every layer [Weignto = WXP] a then then 26 =0 then n26 =0 thorogon 1 Rela & Leaky Relair Wnew = Wold) so there is no chang To overcome it we to leavy selv in Rober + Relu = (0, 2) to when 7 to we multiply it ? with a 2= ¿ Wixitbi Small quantity (a). Is therefore a small difference occurs when \$ 2 <0 -> 0 270 → 王 Doctivative of Feli. 0000 0=45° - m=1 0 = 0 -> m = 0 Rele



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