Lecture 21

6 D-sopond/Batch Normalization. Single Conv. Blockel. x) Gnv. AE I — GCONV. — MXNXK — MXNXK MOX MXN [K, (3x3) Myny Conv -> Mx Ny 2K rely Mynx2K max 1 2K, (3x3) gxgx 2K rely Mynx2K pool. MYNX9K JUBY MXNX2K -> CONV Block Bely MXNXK K, (3x3) UP-Sampling -> NN [.] encoding process.

MXNXK OP MXNXK COM: or patch of

I -> encodes -> Mxx2K flather MNKX1

MXN

I -> encoder -> flatten -> RNKXI FClayer -> c'noded.

Clabbilitation Jask - 'C' classed.

loss - multicloss coss entorpy

MK :

MK :

O

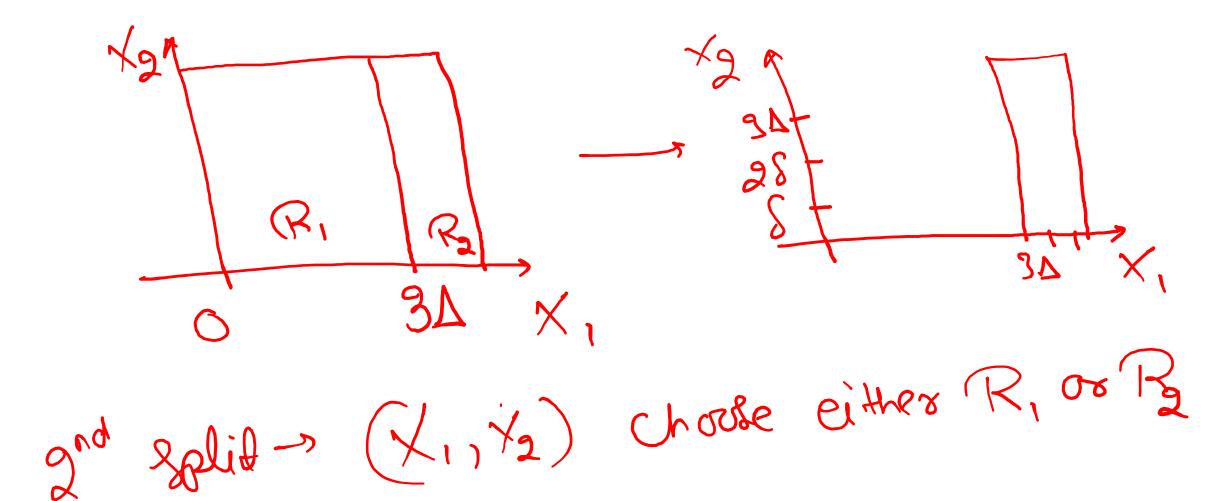
M

MK :

O

Decision toest. (Ogg, W.) -> WA $(1,2) \rightarrow 3$ x) 2-D ingul $(2,2) \rightarrow 4$ $(5,7) \rightarrow ?$ Δ 2Δ3Δ X, Fizza dim. 26R, (ye-yr.) = EN,
26R,

Total exact ξ_{Δ} : $\xi_{\Delta_1} + \xi_{\Delta_9}$ E2A, E3A 8, 28, 38 cut actors ×2 at Es, Egg, Egg min { ED, Sad, Est, Egg, Egg, ω . ω .



Decision Joer - Chsistication. ()83 -> (nin) inder. Gm. Z Pmk (1- Bmx) mi danoted node.

K -> 11 no. ch Classed. Pmx > Poob of closs 'k' in nude/segium'm'

P11 = 3 , P2 = 1/12 P13-5/12 P21 - P22: P25 1/3 m= 1/let m. 2/0igh. 3-Closed= 8,9,6 G for m=1 G,= P11 (1-P11) + P12 (1-P12) 8 m Kal g - K=2 + P12 (1-P13) b → K=3 Total G. W. G. + Wa Ga

win weight, in 2 -> 1/3
war weight, in 2 -> 1/3