Lecture October 22

(M CNN5 + the dime of the Kennel K (filter) < than the imput I Convolution 8 tep

I

A B C D

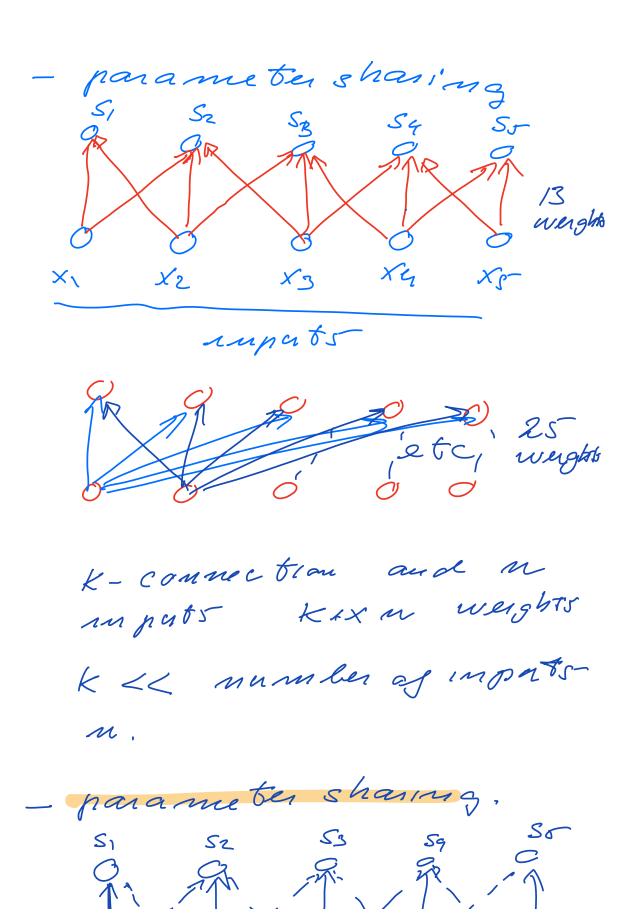
N

y

2

aw + bx bw + cx cw + + ly + fz + fy + gz Sy + hz ew + fx fw + 3x + hy + fz + by + k z ky + lz

- sparse connectivités



- Receptive fuld

St. X2 X3 X4 X5

X1 X2 X3 X4 X5

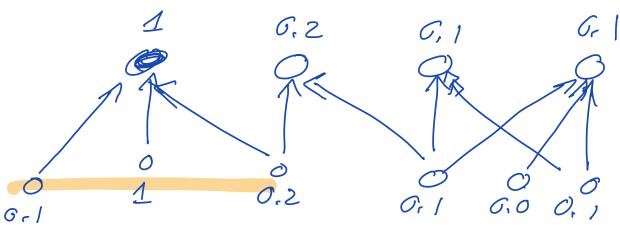
pooling

1st stage; convolution itself, (ist dimension mahty reduction)

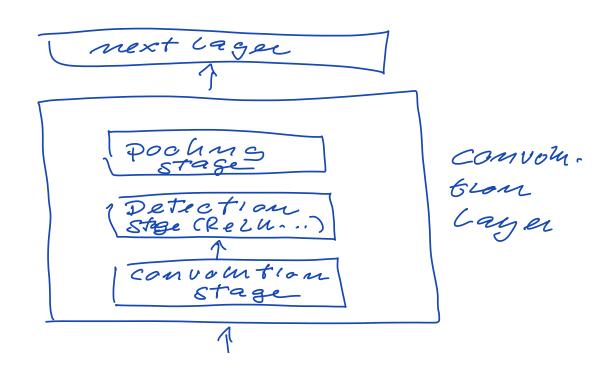
2 nd stage; comvolution 15 nam through an activation function.

(Reluetc) Detection stage 3nd stage: pooling, standard Max pooling 0,2 0.16 0.1 0.2 Detection Stage Shift one pixel to the right Dooling with Down

Samphing



max poching width a cuidth of 3 and a Stride of 2



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