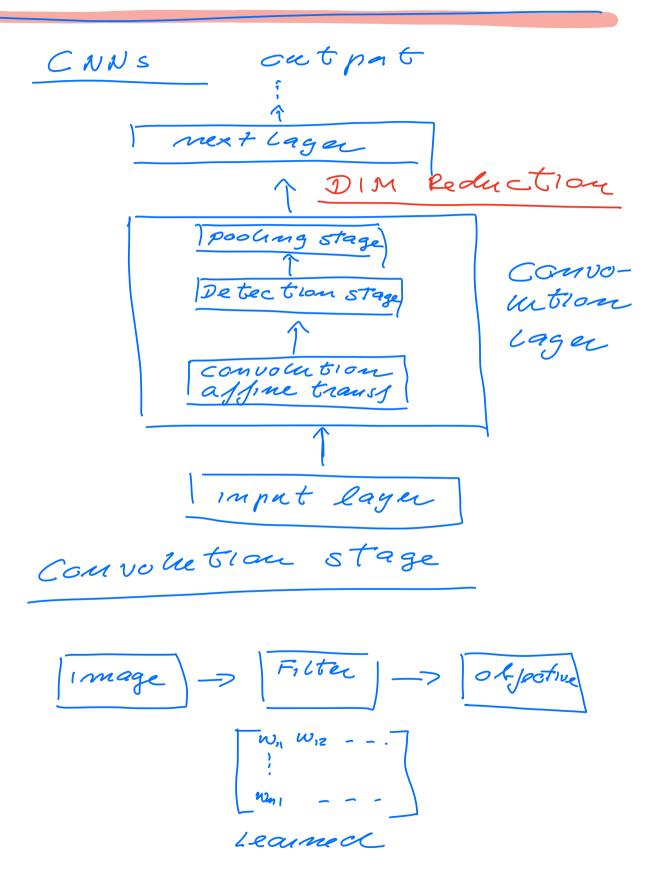
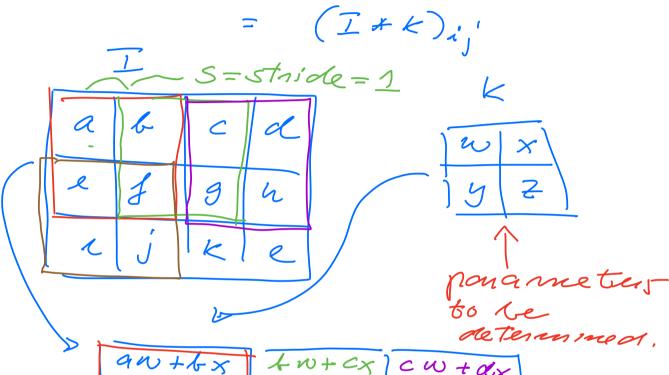
Lecture Jan 12, 2022



para me ters

$$S(\dot{z}_{i,j}) = \sum_{mn} I(m,n) k(i+m,j+n)$$

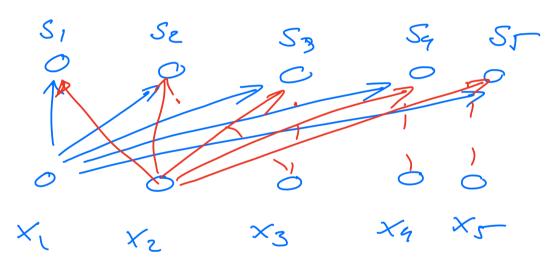


4				40
	an+6x	1 n+cx	CW+dx	
	900 + 6x + eg + JZ	+ 84+92	9.9+47	
4			_	= (^)
	en+Jx	fn+gx	SW+hx	
	n'y +12	+19+kz	+ Kyt ez	
				•

padding

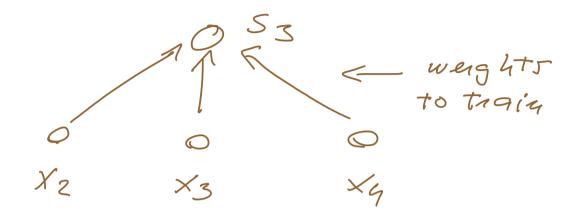
$$P = 1$$

- Detection stage
 Relu(o)
- pooling stage imput to this stage x



Standard NN in CNNS we am t the number of connections.

X1 X2 X3 X4 X5



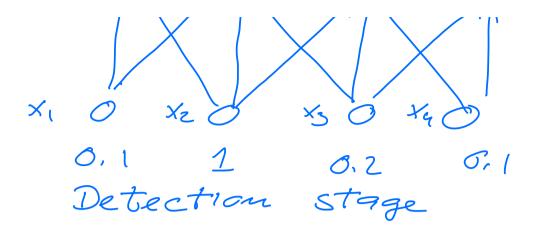
A pooling stage replaces—
the ontput fram the detection
stage with a summary
statistics of the nearly
outputs

Max paling reports the max outpat within a given merghborhood of outpats.

Do Se S3 S4

Do Dooling

M Stage



(NN) w_{21} w_{22} w_{23} w_{24} w_{25} $w_{$