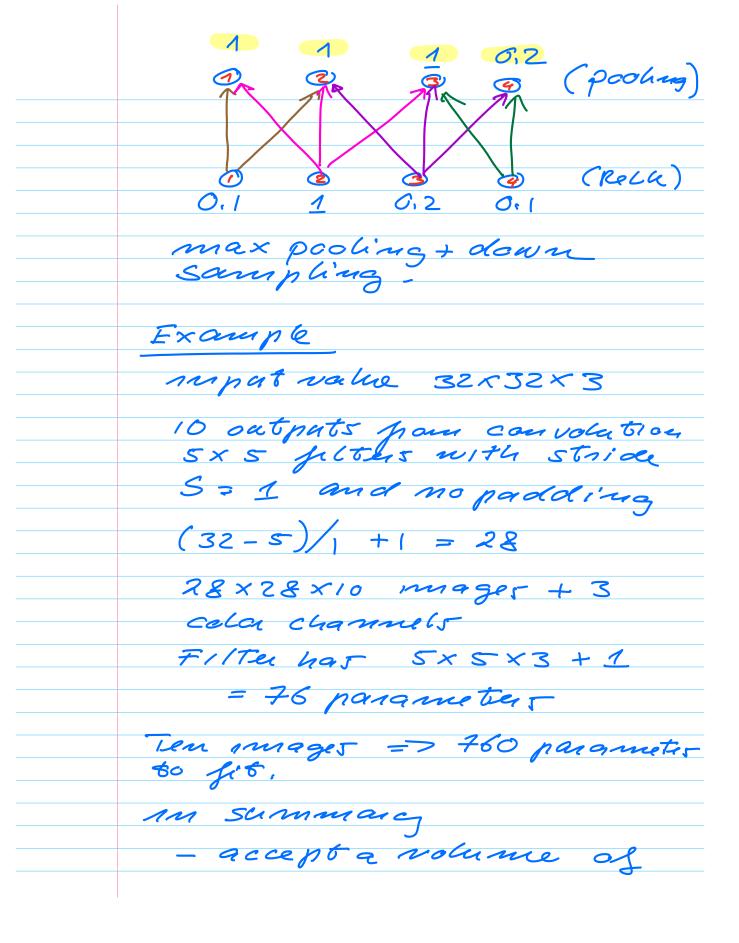


output size
$\frac{1}{(N-F)/s+1}$
N=7 F=3 S=1 => DIM = 5x5
Padding P=0 new
jololoki meta.
$N = 7$ $F = 3$ $S = 2$ \Rightarrow $D \mid m = 3x3$ Paciding $P = 0$ new hyperpana hyperpana $0 \mid x \mid x \mid x \mid c$ $0 \mid x \mid c$
OX X X X X X
19 010 01 P=1
Typical convolution part
- one on several convolutions
un parallel un onder to
m parallel un onder to produce a set of "limear" results which are feer in to an activation part
an activation part
- each linea activation
through a non-huear
(Relu) impats are nun through a non-himean activation function
- Poching stage (Sparse
Cannéctivité)



 $\mathcal{W}_{\underline{1}} \times \mathcal{H}_{l} \times \mathcal{D}_{1}$ - nexce som new hyper-parameters -k = number of filters -F = their spatial extent S = the stride - P = padding of zeros Produces an output W2 X H2 X D2 $w_2 = (w, -F + 2P)/s + 1$ H2 = (H1-F+2P)/5+1 We get then FXFXD, weights per filter and K- 419515 (trained by back monagation) K is often chasen in power

Common settings F = 3 S = 1 P = 1				
F = 3	S = /	P = 1		
F=5	5=2	P=2		
F=C	C = 2	P=0,1,2		
, , ,	372	7 = 0,1, C		