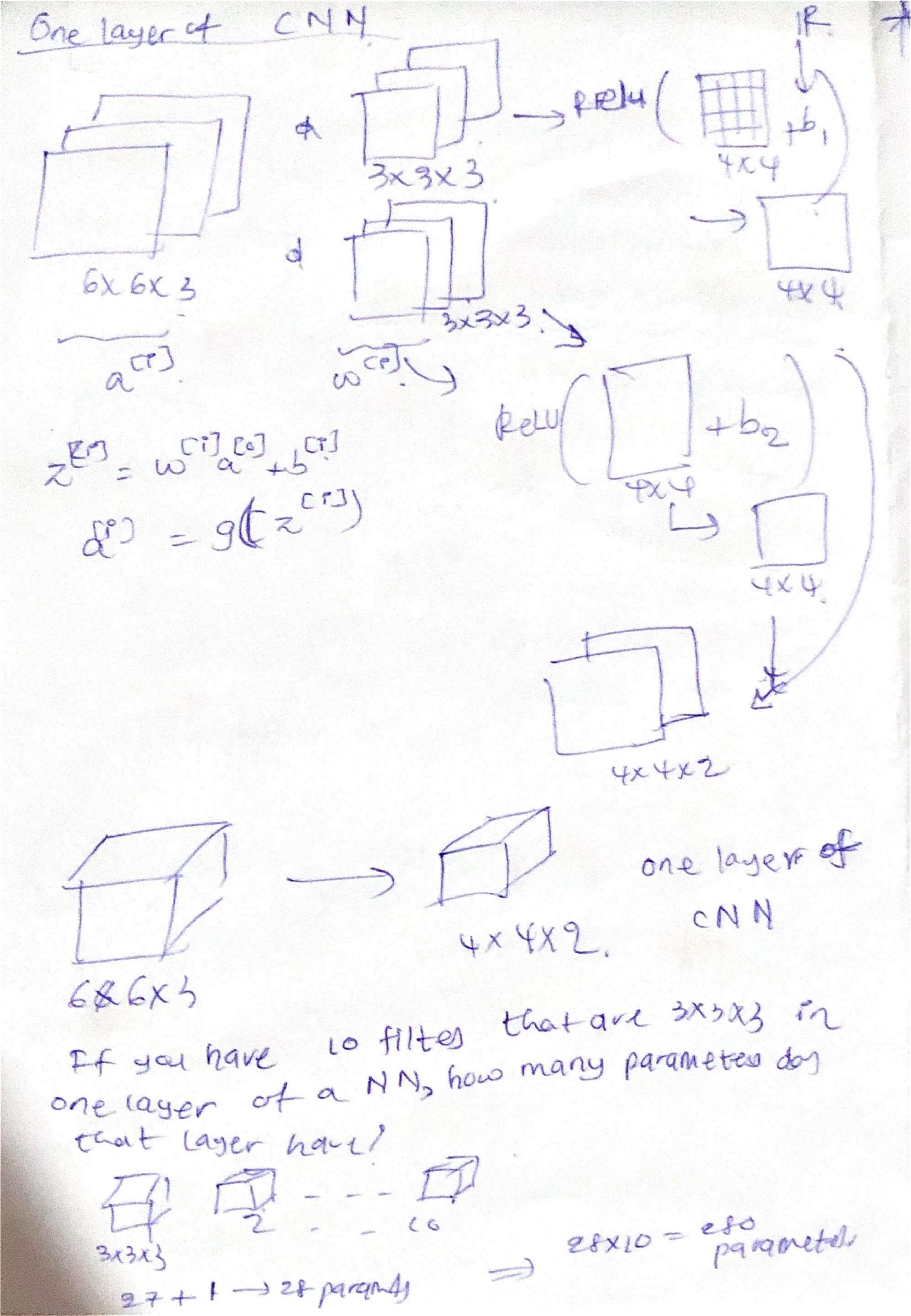
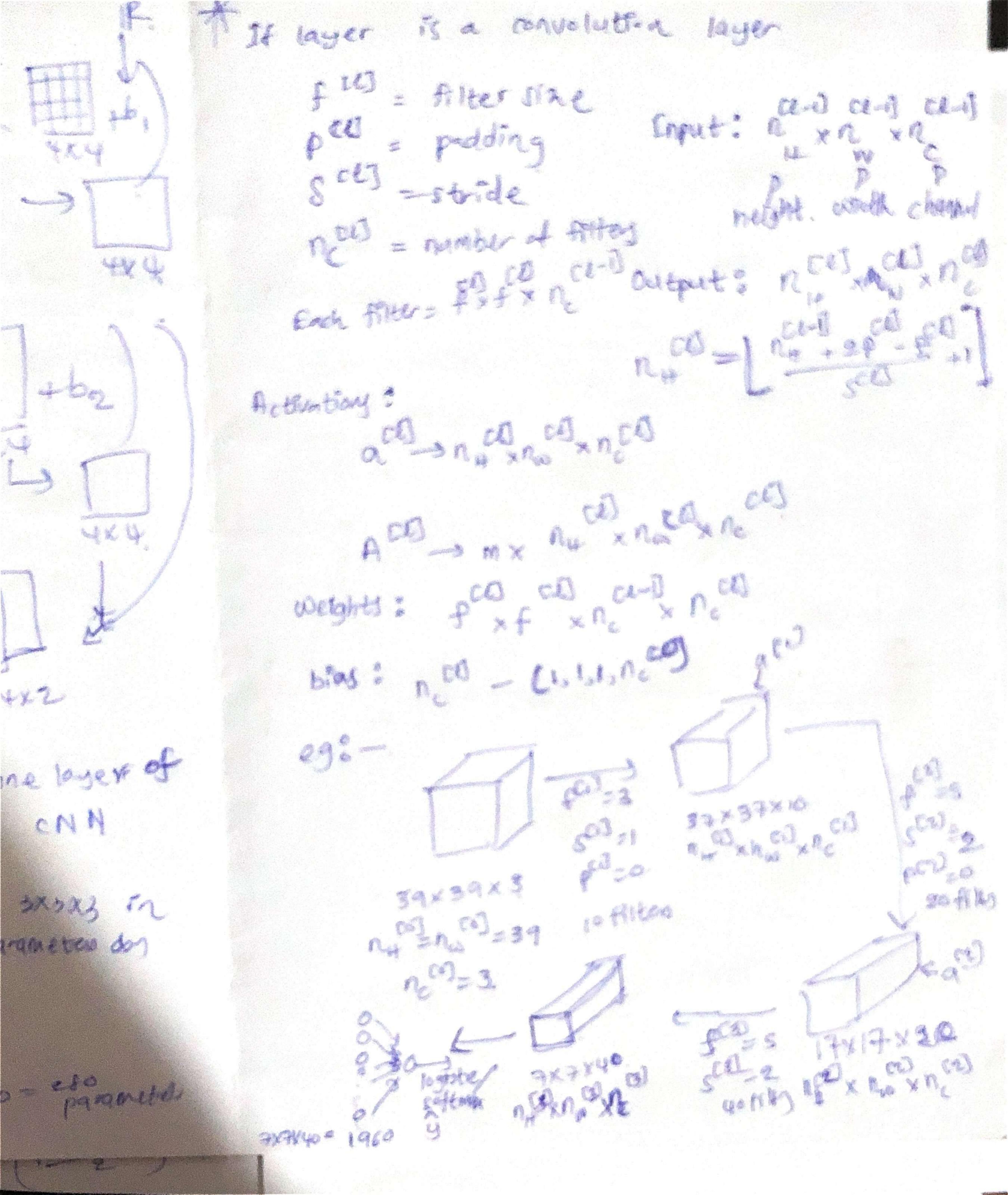
Convolutional Meural networks

Edge Deteton	
· vertral	
et Filter Afilter	-> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
6×6 The second sec	
horfzanta	edge.
Filter Spadding.	more weight on the modele you
1 x 3x3 3x3 fxf	$\frac{4x}{(n-f+1)} \times (n-f+1)$
nxn.	and and
	Throw quay from edge

6x6-38x8 4 3x3 -3 6x 6 nxn. P=padding=) (n+2p-f+1) x(n+2p-f+1) 0 01000 (6+2-3+1) X (6+2-3+1) **上**页工艺 Valld and Same Convolutions nxn + fxf -> (n-f+1) x (n-f+1) Pad so that output streets the same as the input street same = MAXA (n+ep-f+1) (n+ep-f+1) n+2p-++== 12. H exs kernel of is usually odd Strided Convolution

6x6 J-f+1) 2-341) x (n-f+1) rare 1 SPZE CX6X3 rep-fti,





Types of CNY - Convolution - Pooling onnected & Pooling Layers 1) Max pooling Hyper parameters f= 2 2) Average poly 5 = 2 fofilter 812e so stride do not use any padding (p=0) $\frac{1}{3\times3} \frac{1}{3\times3} \frac{n+2p-f+1}{5}$ 5x5xn 5=3 ny-f+Ilox [nosf+1]xnc

