•	CSC411 HW4 2019				
1.	a)	#units	#weights	#connections	
£- ,	Corn Layer 1	290400	34848	105 415 200	
67 1 10	2	186624	307 200	223,448,800	
	3	64 89 6	884736	149 520 384	
	4	64896	663552	1/2 140 288	1111
	5	43264	442 368	74 760 192	Al Care
and the	Fully Connected LI	4096	177,209,344	177 209 344	
18:013	2	4096	16,777,216	16 777 216	
	Output Layer	1000	4,096,000	4,096,000	
	Example Calculations for Conv Layer 23  First layer input: 224×224×3, 96 Kernals size 11×11×3. Stride 4.  Suppose input: Wi×Li×Di, Filter size P.×P.×P2. Bay # Kernals = K  Output W2 = Wi-F+1				
	: W2=First layer output width: 224-11 +1 = 54.25 = 12 Tol Actually,				
0	D2 = # Kernals/Filters = K = 96 paper does				
	#Units = W2 x L2 x D2 . = 55 x 55 x 96 = 290 400 Output is 55 x 55 was weights are shared. Fact filter has f.xf.xf. weights.				
	: # weights = (fixfixf2) x K = 11x11x3 x96 = 34 848				
					11
	#connections: Each output unit is connected via same # of weights				
	that is, by the Piter size fixfixfz.  There are $W_2 \times L_2 \times D_2$ output units.  ( $W_2 \times L_2 \times D_2$ ) × ( $f_1 \times f_1 \times f_2$ ) connections.  = $f_3 \times s_3 \times s_4$ × ( $f_4 \times f_4 \times f_4$ ) = 105 415 200  For Pully connected layer.  #weights=#connections = (#units layer) (#units previous layer)				
-	Harris 2 (181 (211) x (Exercis) = 222 811 886				
3	# connections for layer 2: (186,624) x (5×5×48) = 223 948 800				
	NOT 96 because layers get split				
	The same of the sa	two apos.			-
	NW.	7.03,			





