Chien Q-3-> Dimension of input given = 1x 64x64 Dimension of filler = 7x5x5 Stride = 2 width and height of first tonson = Wtap-F +1 = 64+0-5 +1 = 30.5 SolDimension offer 1st set convolution = XX30x30 After max pooling = XX 30 x 30 2nd Set: -= 7x15x15. As the pinds on the Limenson is neduced to 15x15. We will increase the number of filter. (double the fiker). . Dimension of filter = 14x85x85 width and height of second tensor = Mtzp-F +1 = 15+0-5 +1 · Dimension of second tenson = 14x6x6 After mor pooling = 14x 1 x 5 = 14x3x3.

37d Set We will in crease the dimension of the 6th as dimension de creased. Dimension of filter = 28x5x5. Dimension of image 2/4x3x3 width and height of flood tenson = w+2P-P+1 $=\frac{3-5}{2}+1$ Here, the dot product cannot be computed in 3x3 matrix and 5x5 onaforn. So, we will take the previous set output which is 14 x 3x3.
So, number of nodes in Alathonisa Cayer = 126. Another approach :-As filer Dioneossion is greater than input dimension of image, we can add paddiog in Loth height and weight so, after paddiog: Dimension of thind tonon = W+2P-F +1 = 3+2.1-5 +1 $=\frac{5-5}{2}+1$ St. Jonension = 28×141 Dimension offen max pooling = 28x1x1
30 1 num per of modes atten flatationing = 28
Am.