Convolutional Neurel Metworks (CNNs)

1D Gruslutien

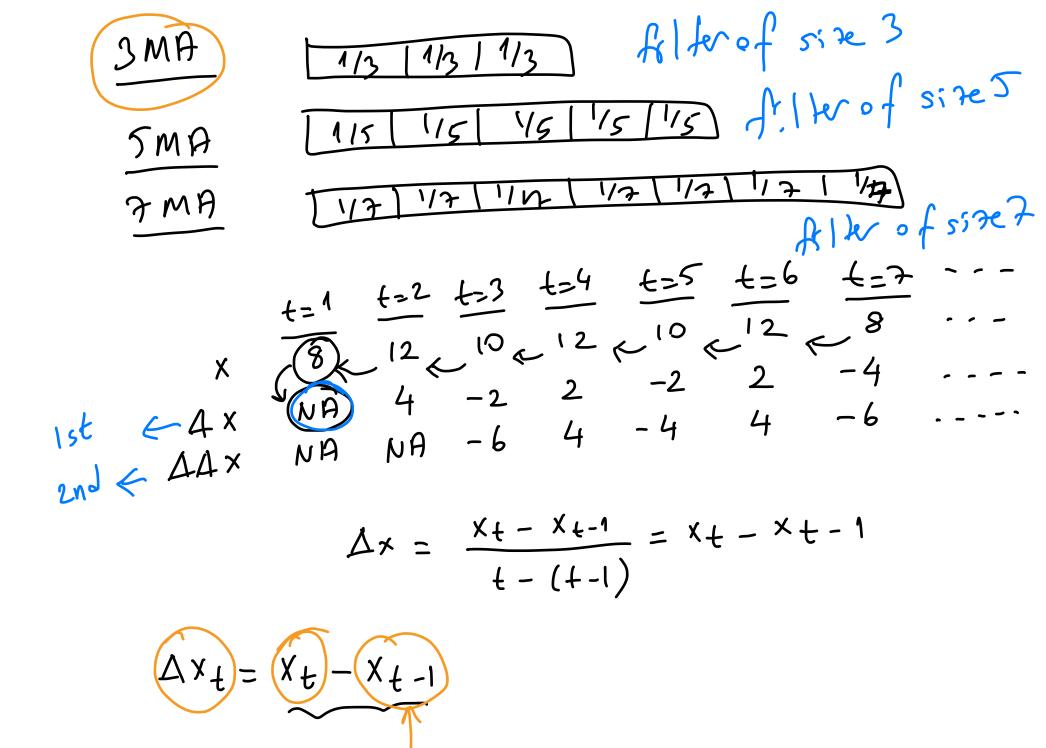
1) Gaustonally

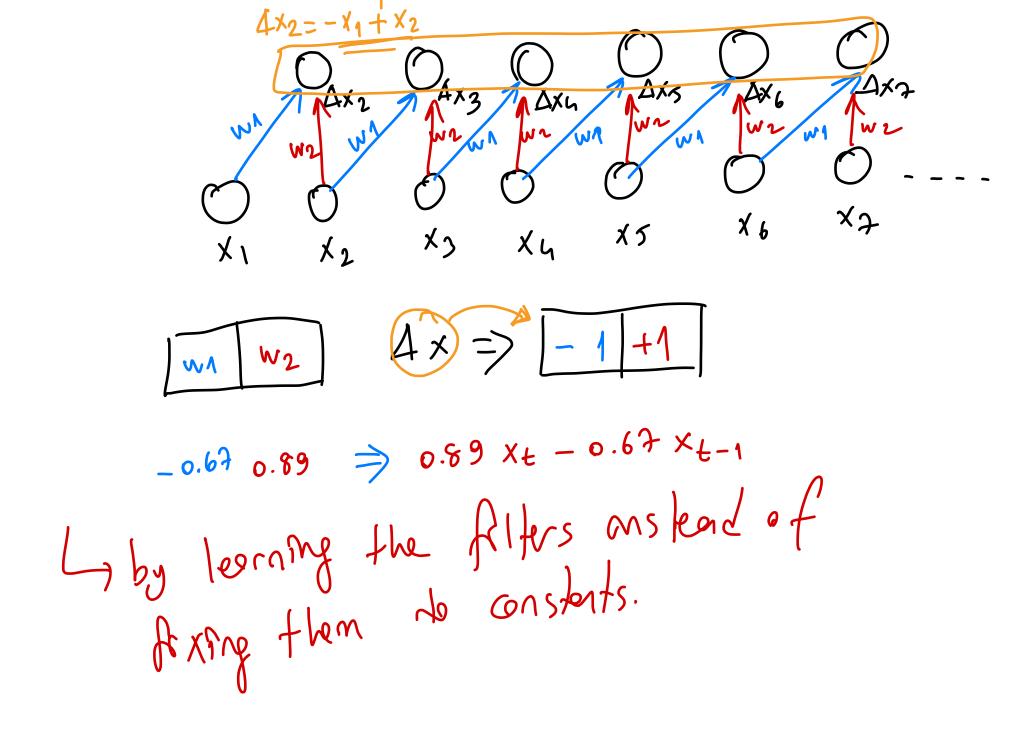
$$\frac{t=1}{8} = \frac{t=2}{12} = \frac{t=3}{10} = \frac{t=4}{12} = \frac{t=6}{8} = \frac{t=7}{8}$$

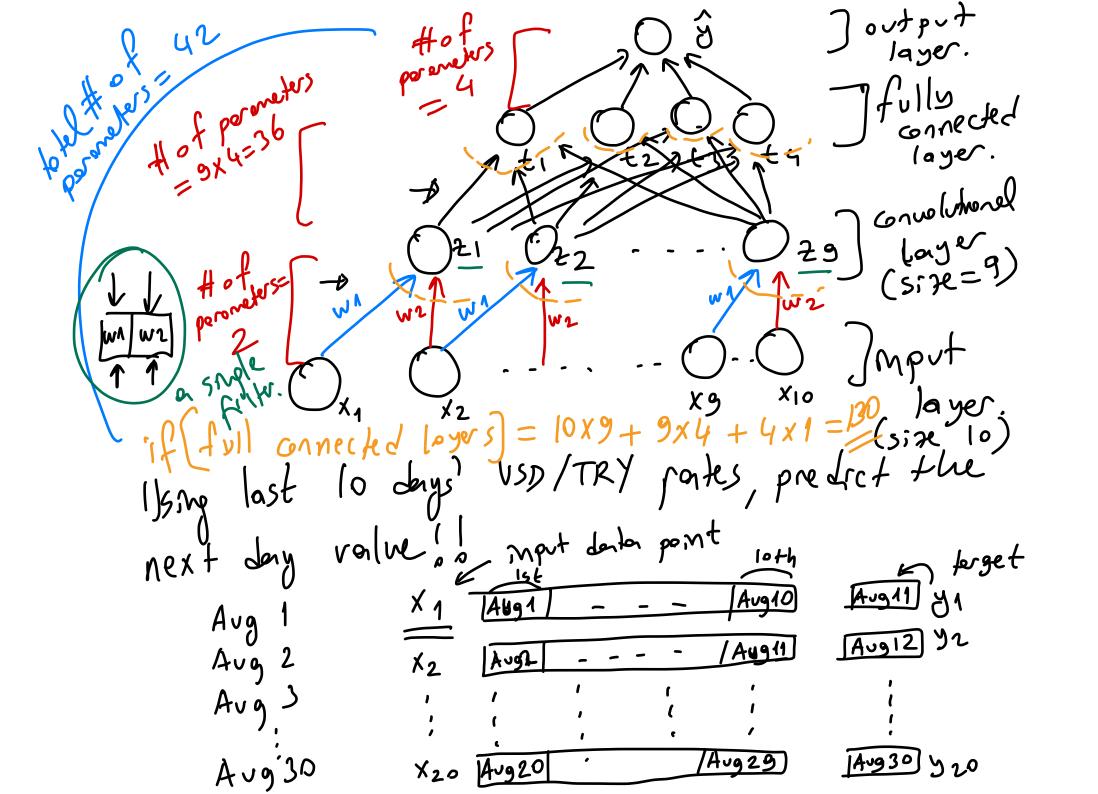
$$\frac{t=1}{8} = \frac{t=2}{12} = \frac{t=3}{10} = \frac{t=4}{12} = \frac{t=6}{10} = \frac{t=7}{8}$$

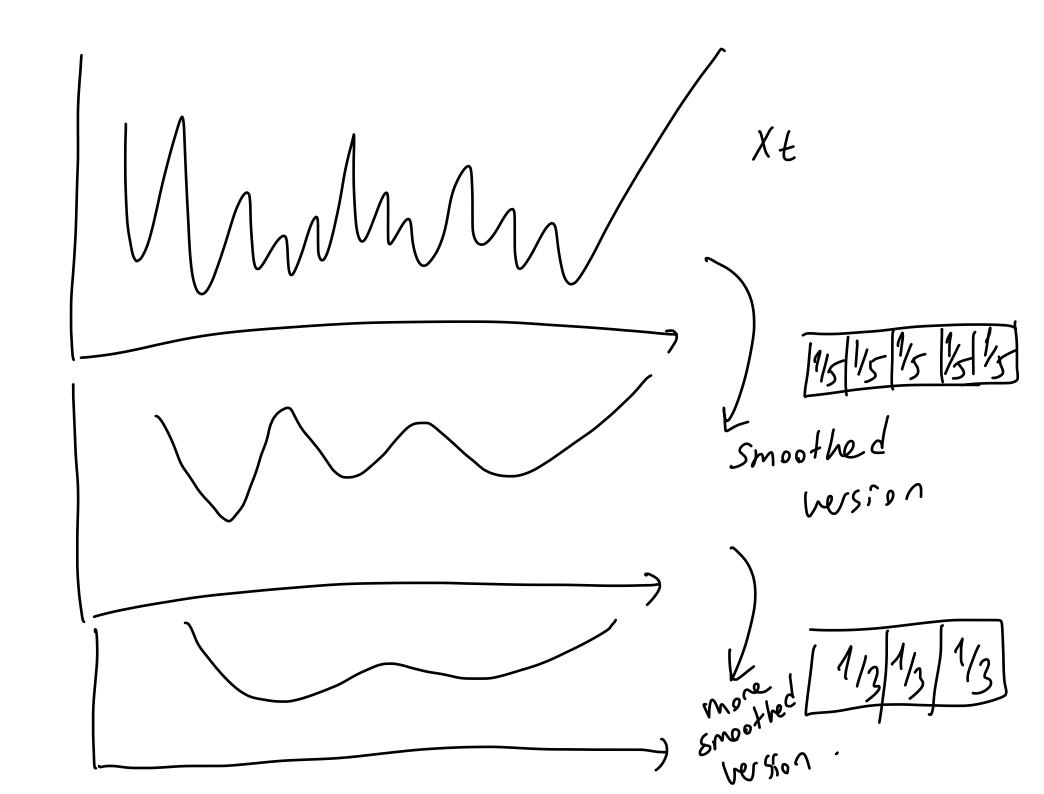
$$\frac{x_1 + x_2 + x_3}{3} = \frac{1}{3} = \frac{x_1 + x_2 + x_3}{3} = \frac{1}{3} = \frac{x_1 + x_2 + x_3}{3} = \frac{1}{3} = \frac{x_2 + x_3 + x_4}{3} = \frac{1}{3} = \frac{x_2 + x_3 + x_4}{3} = \frac{1}{3} = \frac{x_3 + x_4 + x_4}{3} = \frac{1}{3} = \frac{x_5 + x_6 + x_7}{3} = \frac{x_5 + x_7}{3} = \frac{x_7 +$$

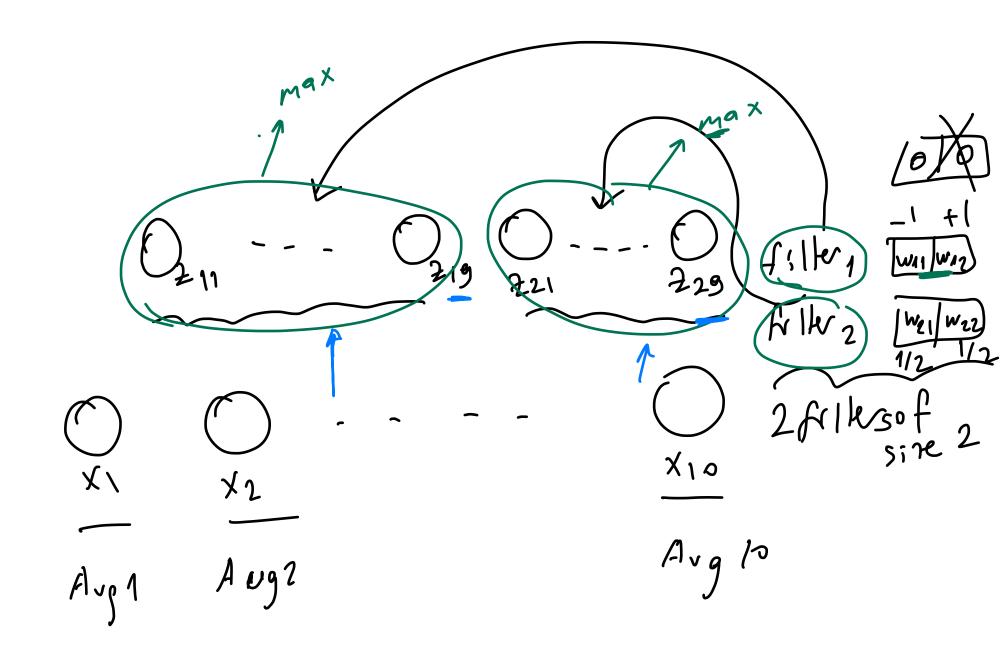
fully connected layer = 1 x 5 = 35 connections in total Coundingery y3 W/ WN WZ W3/ XŦ X6 Xz X4 15 1st adventage: (sporsity 2nd advantege: weight shorm g 1 X4 1 X5 | X6 / X7 W1





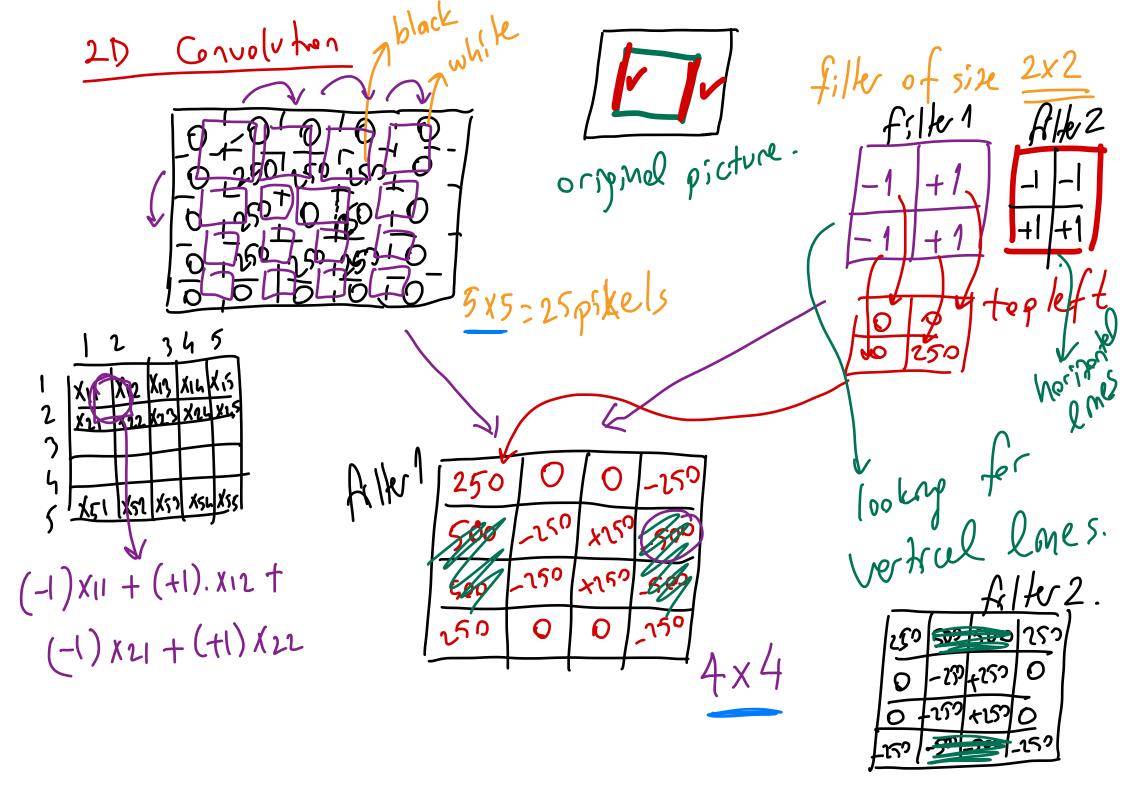


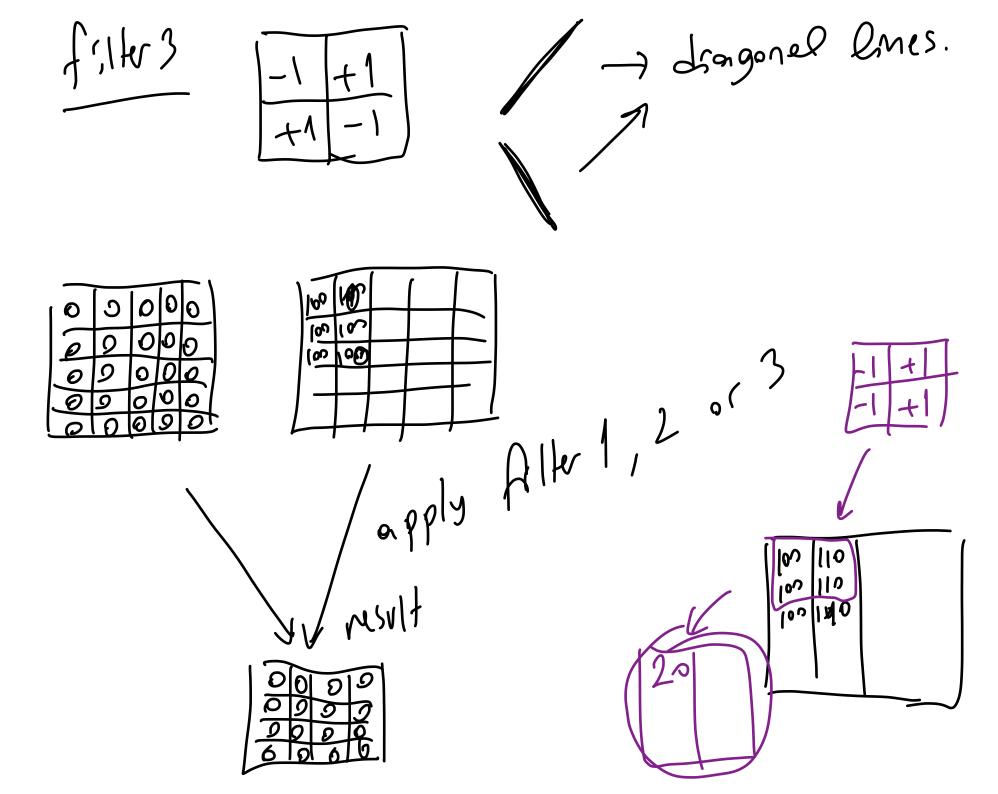


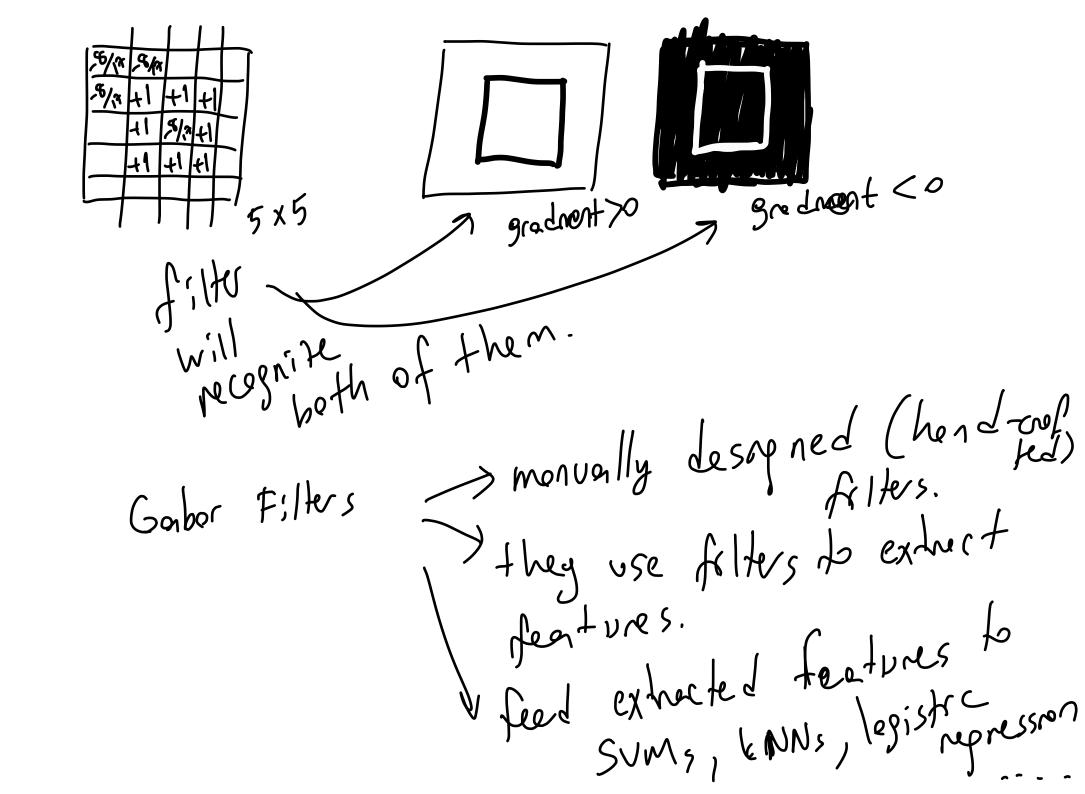


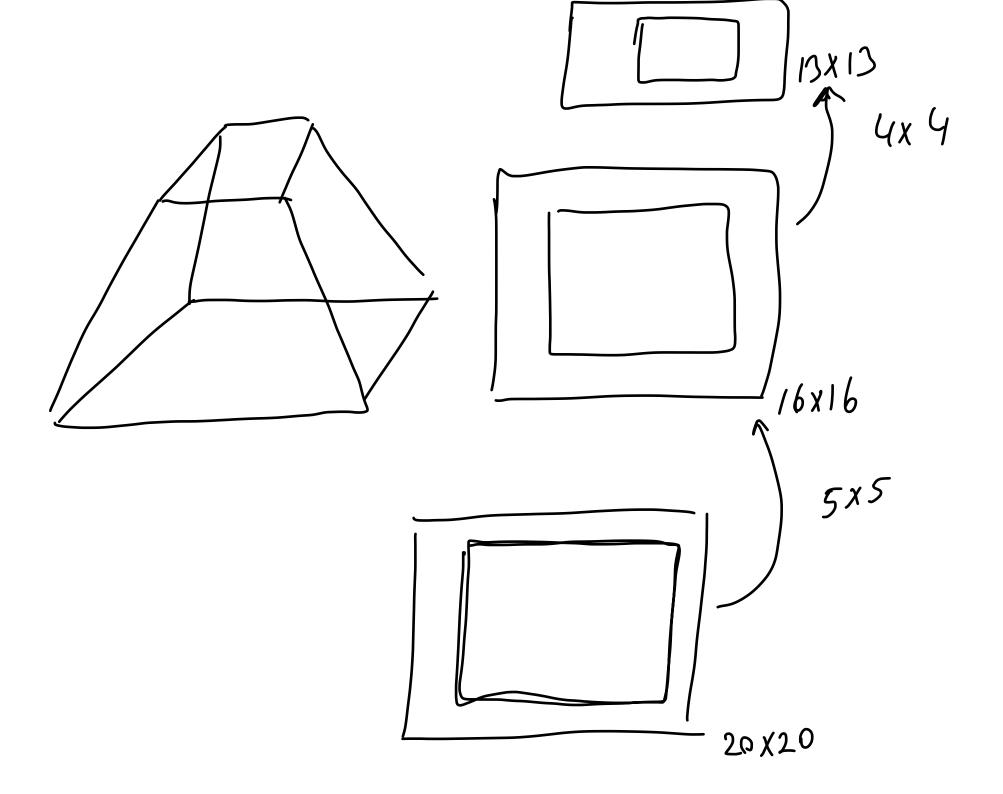
Sportra, dempends on space
(location)
(location)
specification)

tempor al Xf Xft1 Xttr depends on time Adena = 38 (40 C) Mersin = 3 (35 - 40 C)



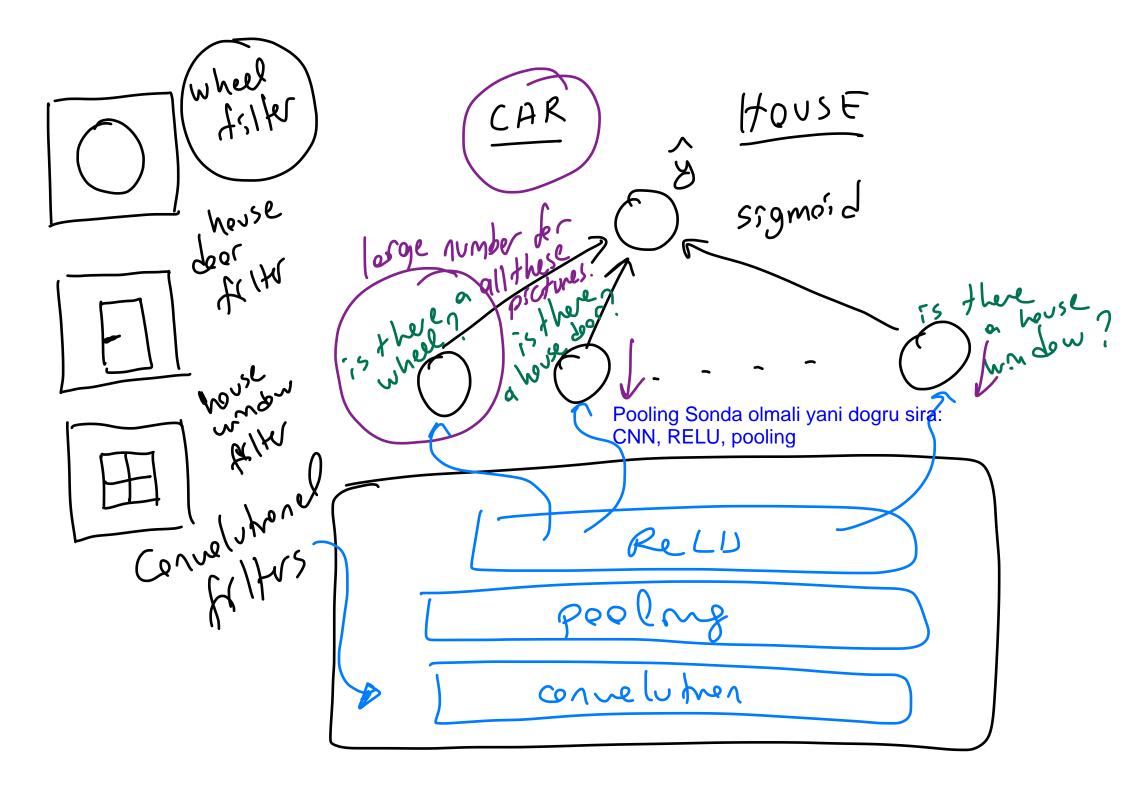


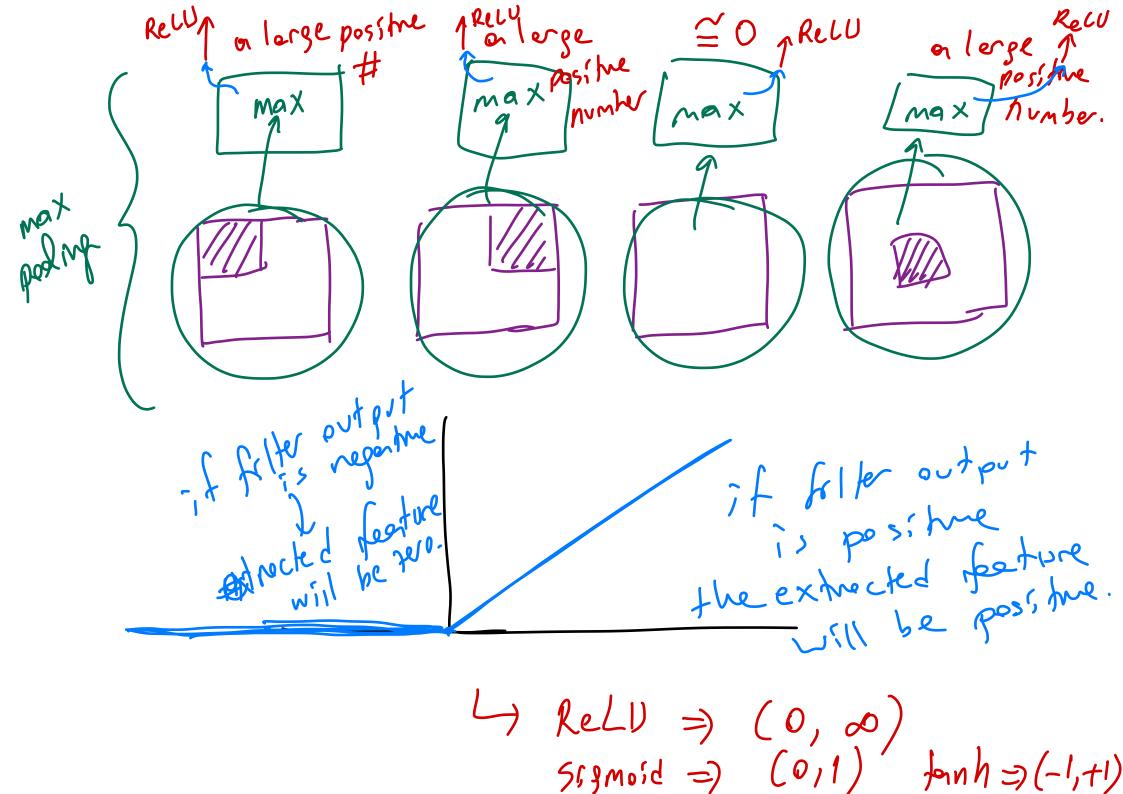


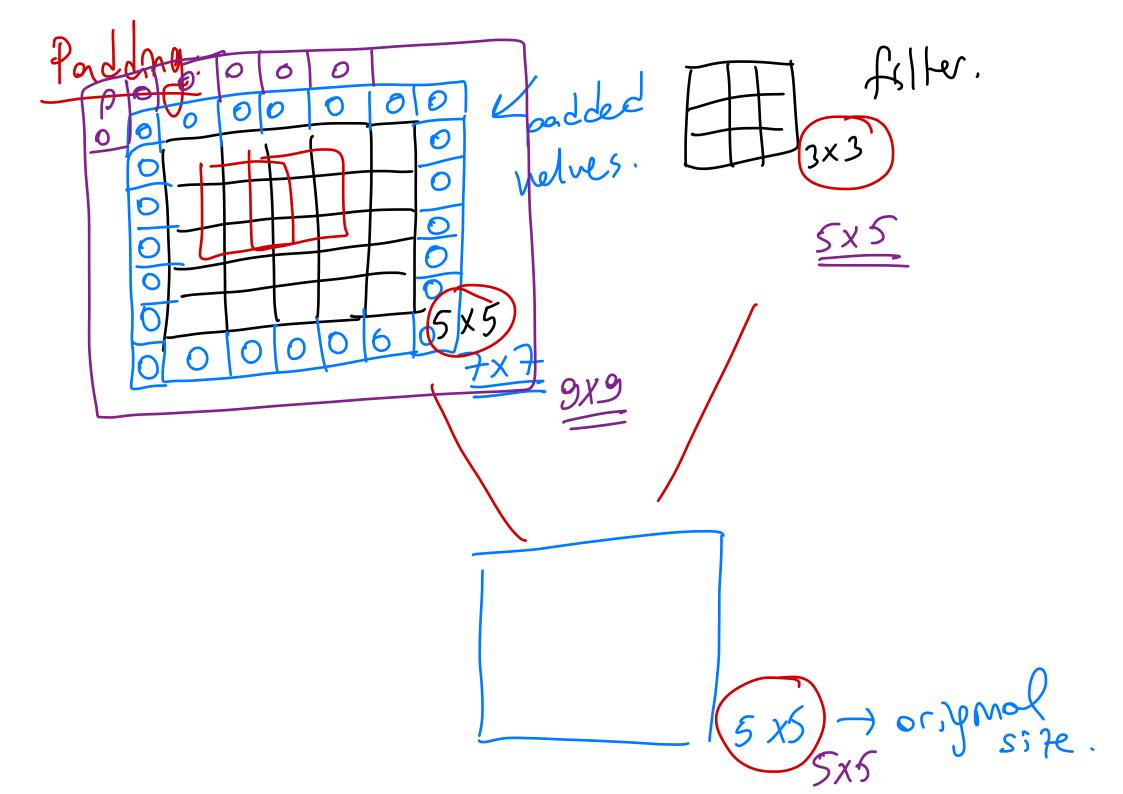


30 Gavolution filters will be 30 15econd video rear dry 20 feites on each clarrel RED 3x3 GREENI 30 mobs of ひり 1 BLUE 1 30th Vd 154

Convoluturel -> Poeling extract detection. features numbers. gnumbers) wheel. 10186 Unupay numbers. JOCUTION «ma//mpels. small numbers pooling. lerge numbers







10,8,12,10,12, [0, [0,8] length(Ax) = length(x) Mprt Lenly of size 810 81 temperatures of fonorrow. 810 femperatures ce usually done for computational

Shy mount opixel at a true. (stride 1) reasons Stride (3) (ofiles 100 X 100

