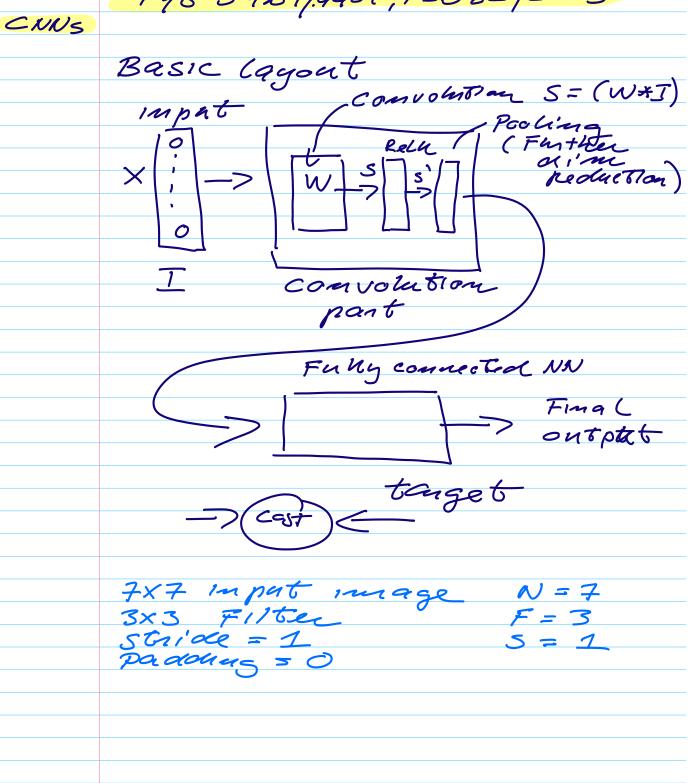
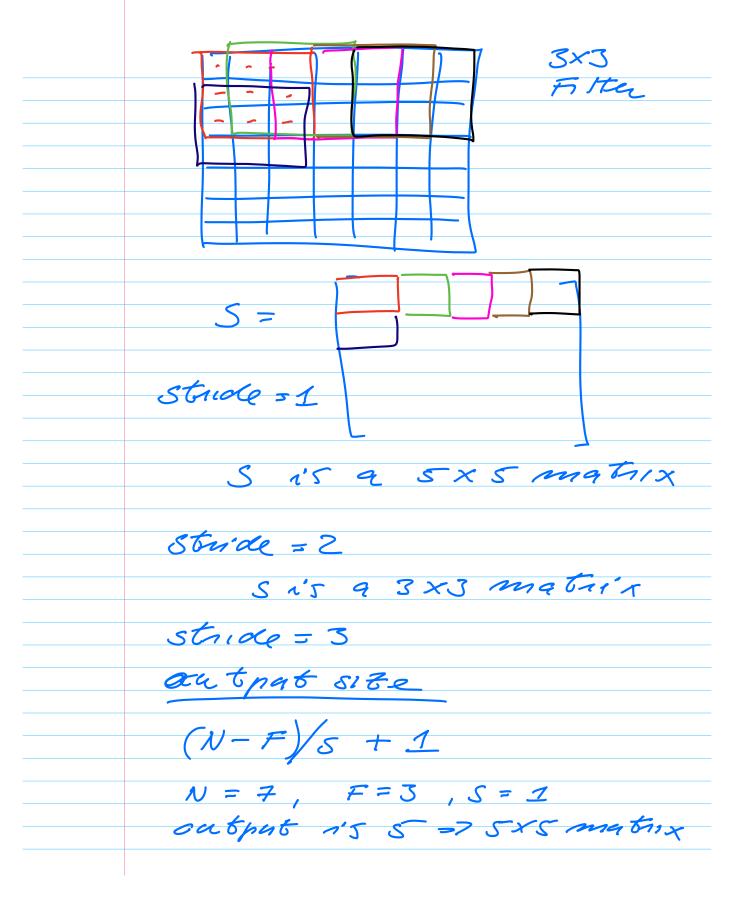
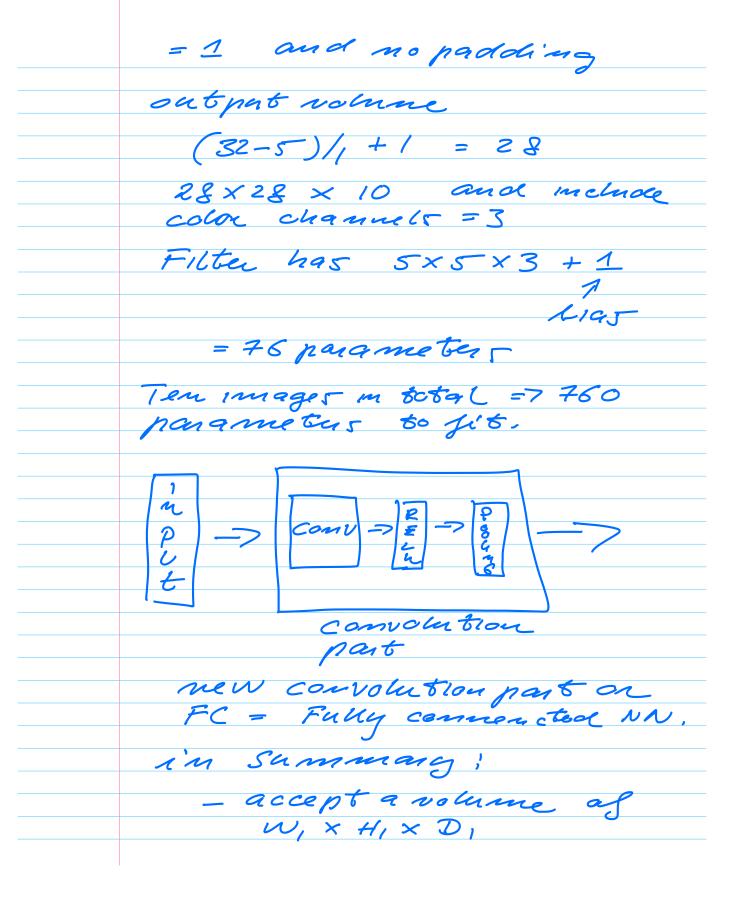
F45 5429/9429, FEB 22, 2023





N=7, F=3, S=2(7-3)/2+1=3=73x3matrix as output. Typical con volution pout - one on several convolutions in parallel to produce a set af linear resuts which are fed into to the activation . each linear activation inputs are sun through a non-linear activation junction Pooling stage (Sparse O. 1 (ReZh) O. Z max poching + down sampling. Example input volume 32x32x3 5×5 filters with stride



width height depth - need jour neu hyper parameters - K = namber affitter -- F = their spatial ex-- S = the stricte - P = padding of Zenes produces an output W2 X H2 X D2 W2 = (W, - F+2P)/5+1 Hz = (H, - F+2p)/s+1 We get then FXFXD, weights per filter for a total (FXFXD,)XK weights and K Mases (trained by Back propagation) K 15 chasen in power of

Common settings F=3 S=1 P=1F= 5 S=1 P=2 F=5 S=2 P=0,12