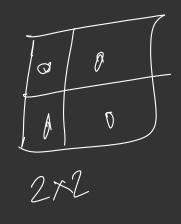
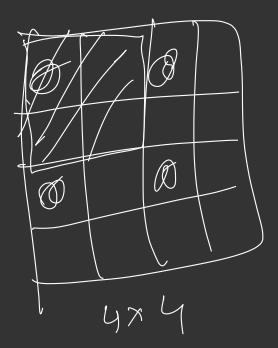
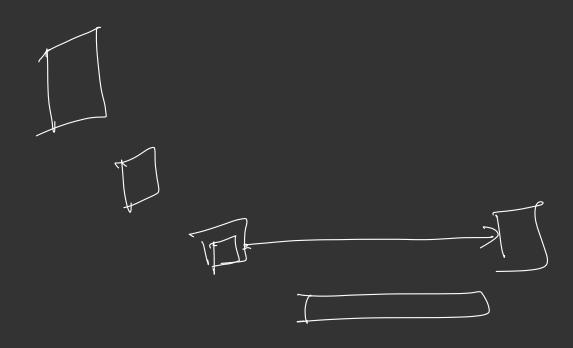


UNET: No BN layer at initial phase. why? - Intintion: can be add [Reg loss + CE loss]? log scale normal Conditional GANS: and pixapix? Dis(- (1) Fake 50% - les ? y; log (Pi) + (1-yi) log (1-(i) = 1. log (1) $log(D) = \infty = D = 0$ int -> uint8 log(1-D) = 0 => (0,255) int [0,255] -> float float -> (0,1) (0,255) - 127·S (127.5) (-127.5, 127.5) = (-1,1)127-5







cord on Gen

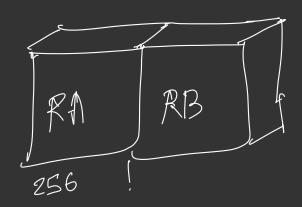
Real f nes Real Falle -

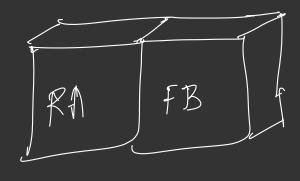
起料 (RARB+ RAFB)

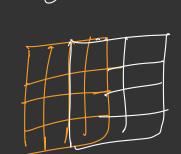
RAPB RAFB (256,256,3) (256,256,3) 256,256,6,-30 (B, 256, 256, 6) -> Ylabel 219200×10^{-3} 2(9200 m S -

YTrue =) YERRP 19; 10g (yi) + (1-yi) 10g(1 Z log (y pred 0.5,0.15 0-9,0-88

y; (log(yi) + (1-yi) log(1-yi)







-,
$$256,1256,6$$
 -> max1 min+

#2 -, $128,128,164$

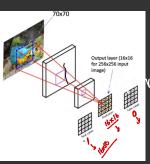
#3 -, $64,64,128$

#4 -, $32,32,256$

#5 -, $16,16,512$

#6 -, $16,16,512$

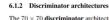
#7 -, $16,16,16$



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ve field = (0/p_bi3e-1) * stride + kernel-size

Receptive field calculation in a PatchGAN



The 70 × 70 **discriminator** architecture is: C64-C128-C256-C512

After the last layer, a convolution is applied to map to a 1-dimensional output, followed by a Sigmoid function. As an exception to the above notation, BatchNorm is not applied to the first C64 layer. All ReLUs are leaky, with



cial case, all convolutions ar

receptive field = (output size -1) * stride + kernel size

C64: 34x34 out, 2x2 stride, 4x4 kernel rf = (34-1)*2 + 4 = **70** rf = (16-1)*2 + 4 = **34** C128: 16x16 rf, 2x2 stride, 4x4 kernel rf = (7-1)*2 + 4 = **16** rf = (4-1)*1 + 4 = 7 C512: 4x4 rf. 1x1 stride, 4x4 kernel

