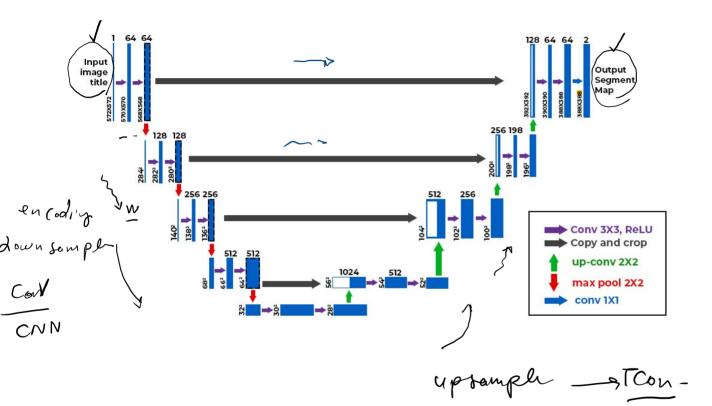
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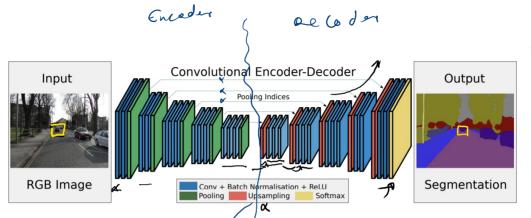


Fig. 2. An illustration of the SegNet architecture. There are no fully connected layers and hence it is only convolutional. A decoder upsamples its input using the transferred pool indices from its encoder to produce a sparse feature map(s). It then performs convolution with a trainable filter bank to densify the feature map. The final decoder output feature maps are jed to a soft-max classifier for pixel-wise classification.

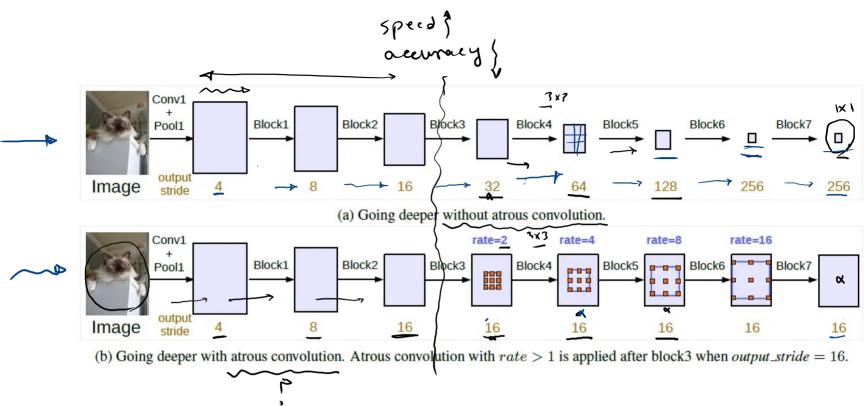
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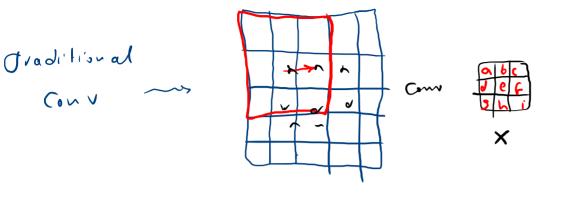
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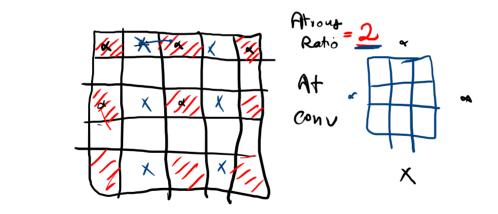




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Conv





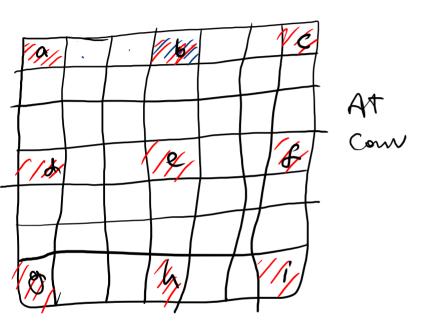


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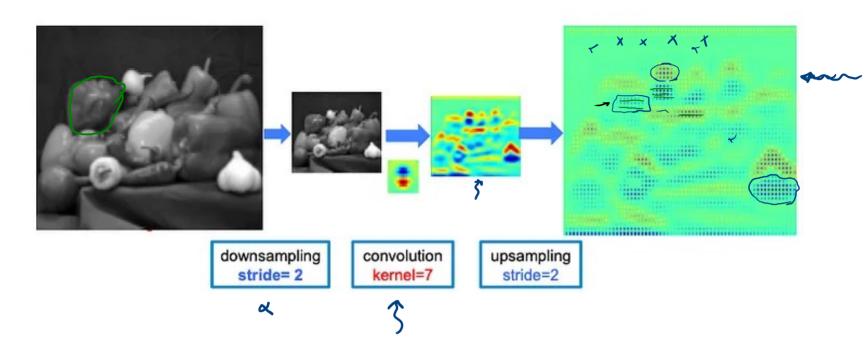
+ 9(21) + 4(23) + 1725) =

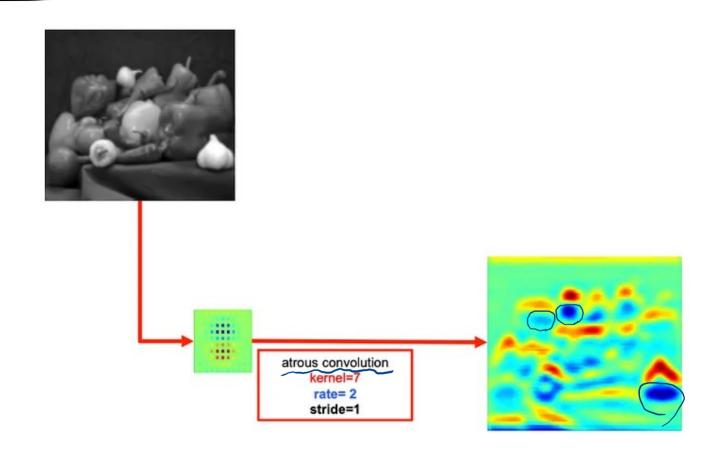






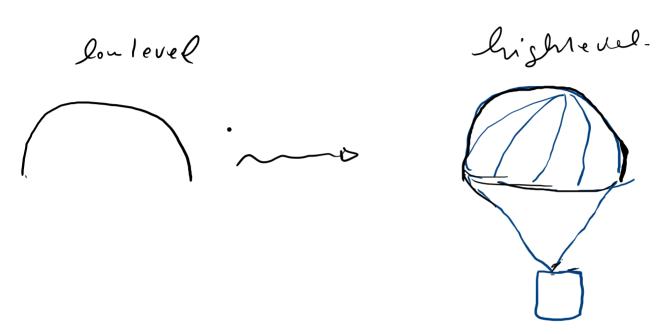
Height: 
$$(H-1)^*Ar + kh$$
  
width z  $(W-1)^*AV + kW$   
 $H = (5-2)(2) + 3 = 11$ 





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Atrovs spatial pyramid Deeplab Architecture. Pooling Encoder ASPP CNN input Conv 1x1 Atrous con. Conv 3x3 Concert < Rate 6 Conv 3x3 Conv 1x1 Input Dilated Conv Rate 12 Resmit Conv 3x3 **Image** pooling Decoder Up-sample Low-Level Features Conv 3x3 Up-sample Conv 1x1 Concat Output



the End