

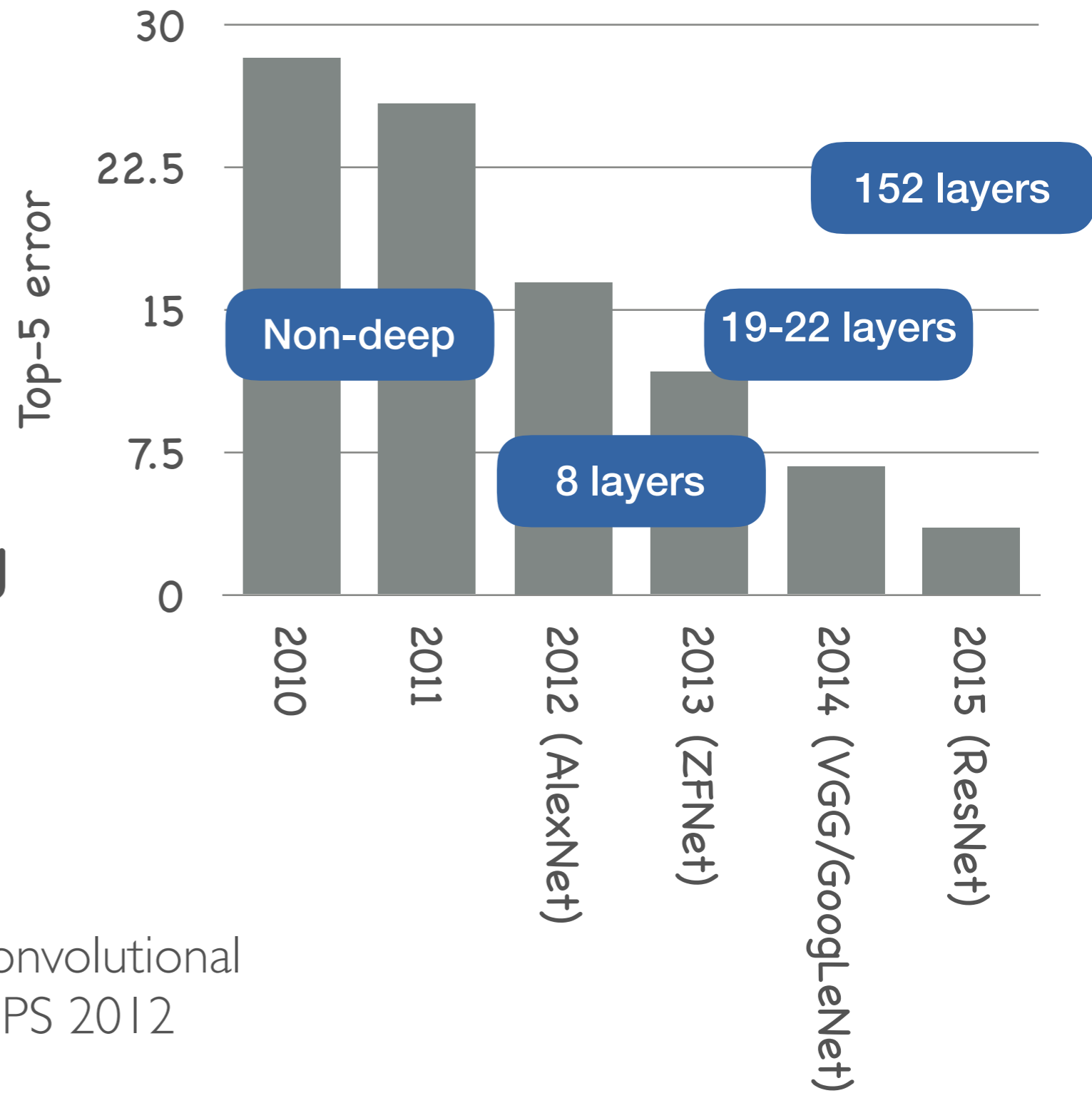
# Case Study: AlexNet

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# AlexNet

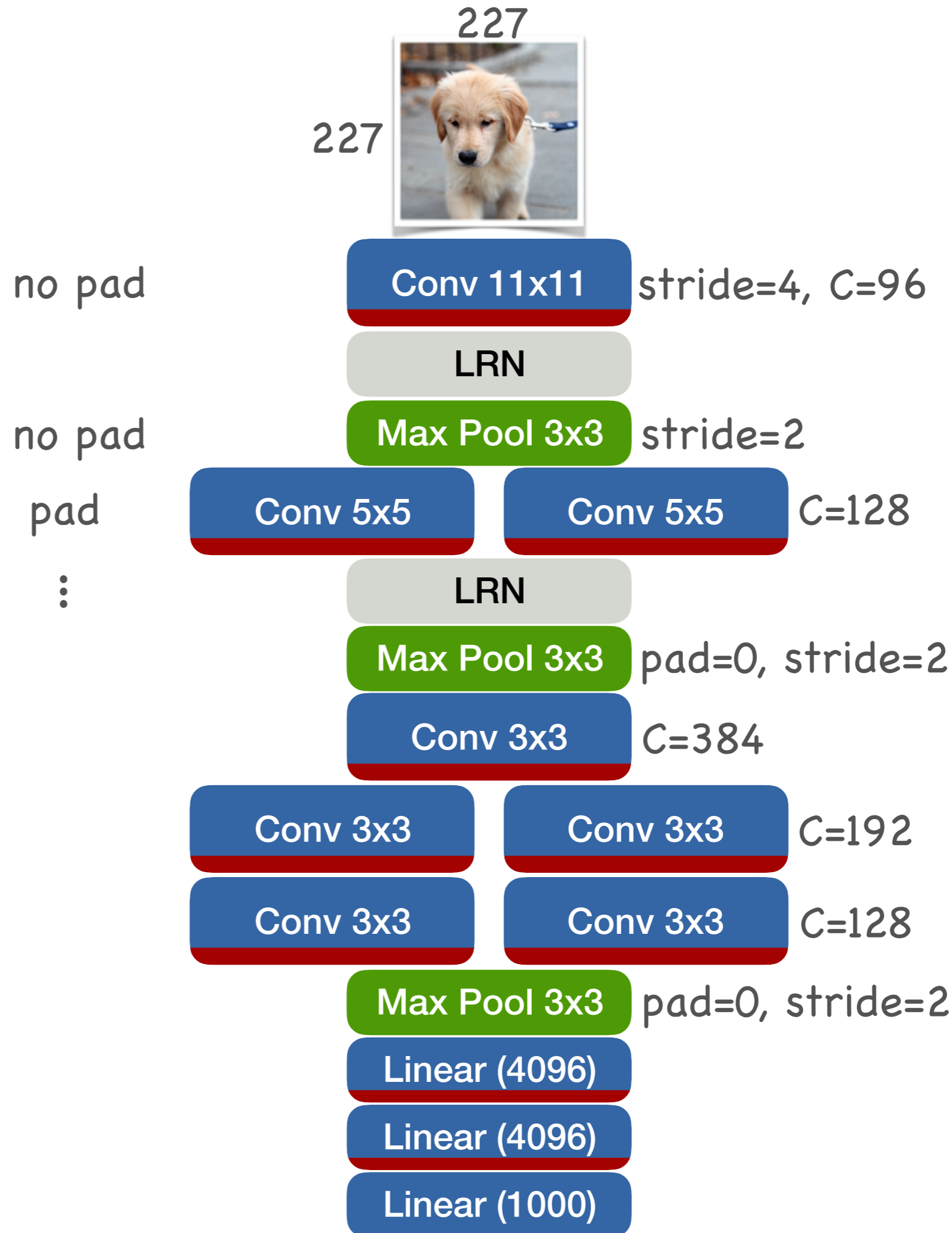
ImageNet challenge

- Won the ImageNet competition 2012
- Start of deep learning revolution in computer vision

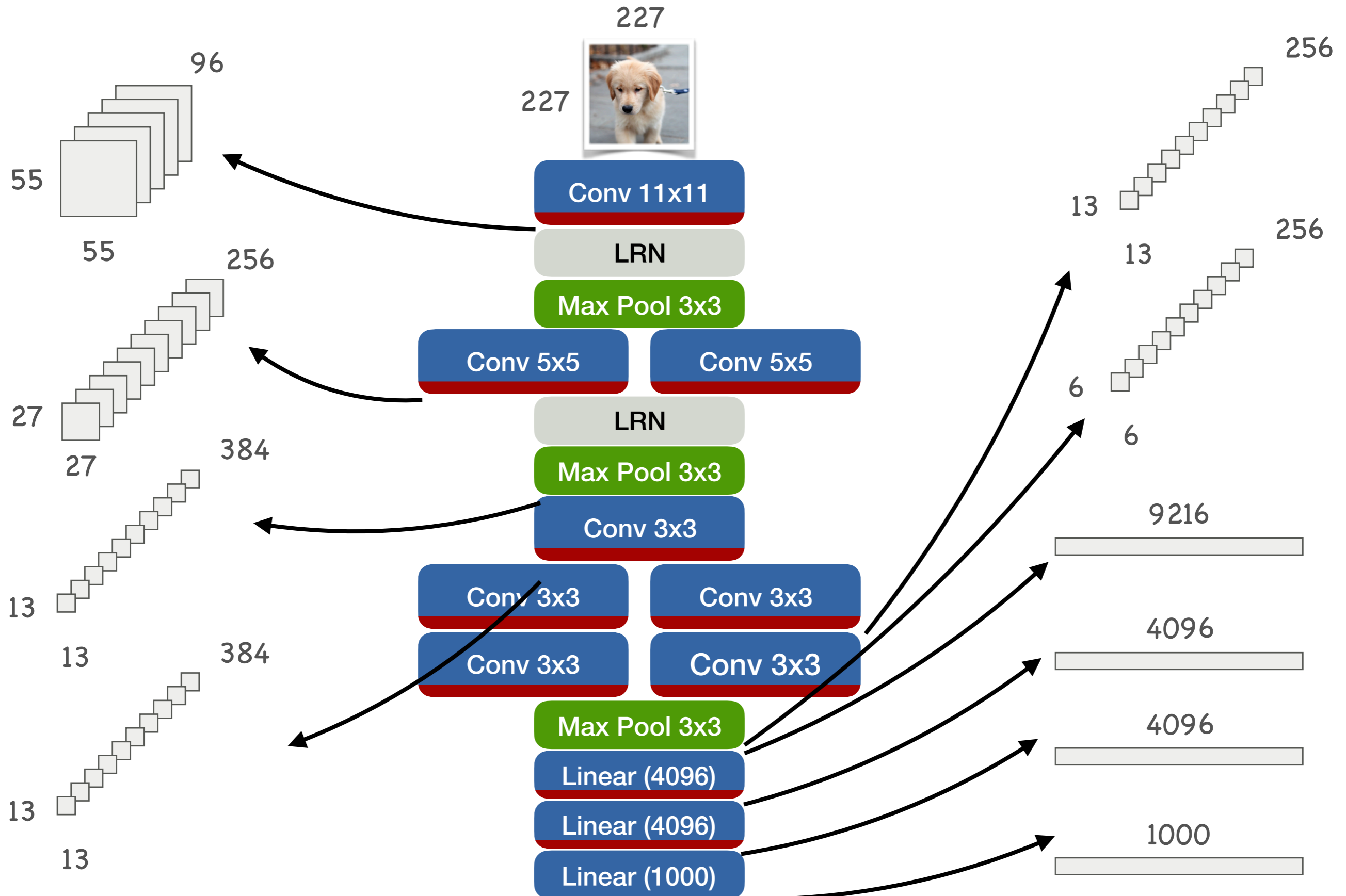


ImageNet Classification with Deep Convolutional Neural Networks, Krizhevsky et al., NIPS 2012

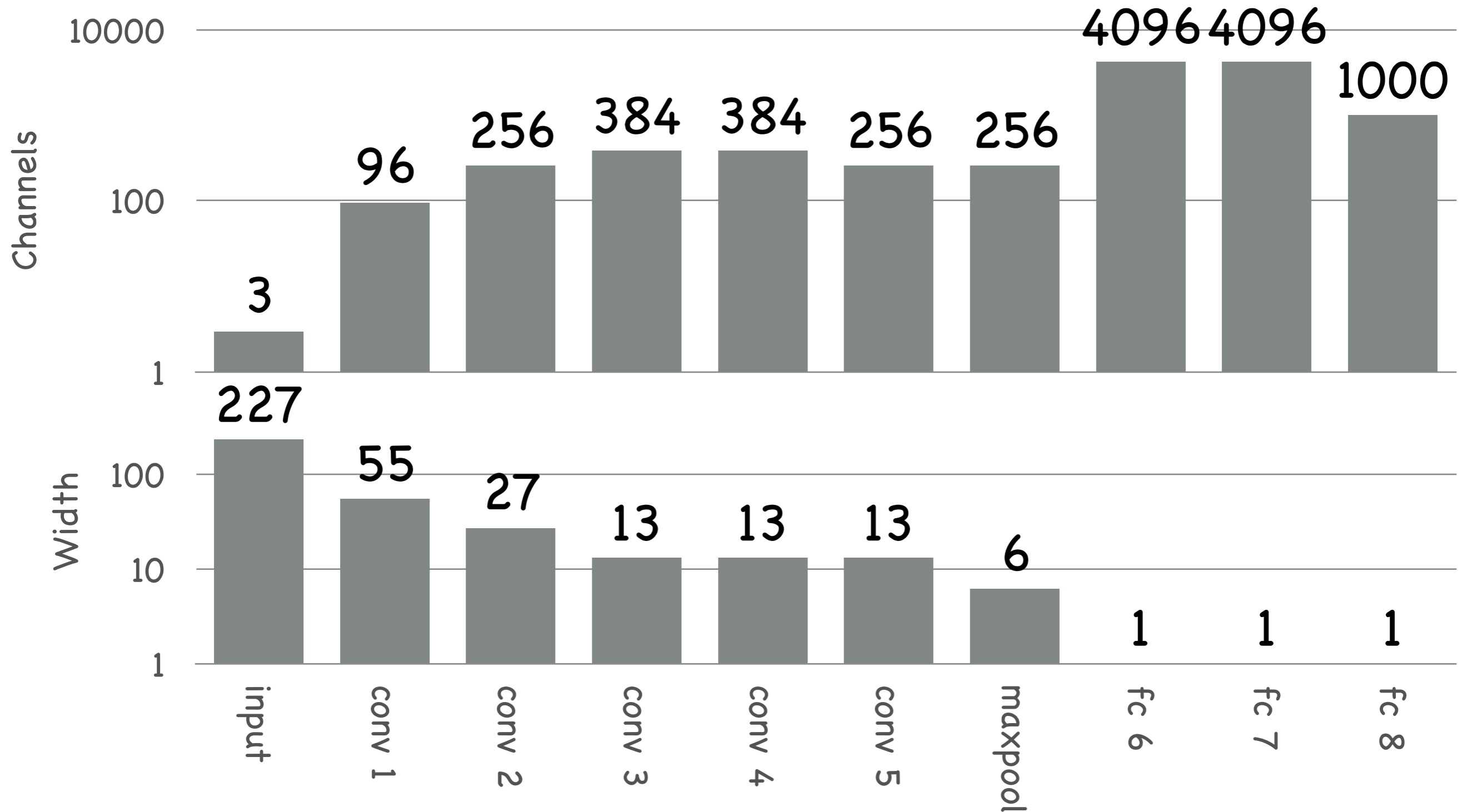
# AlexNet



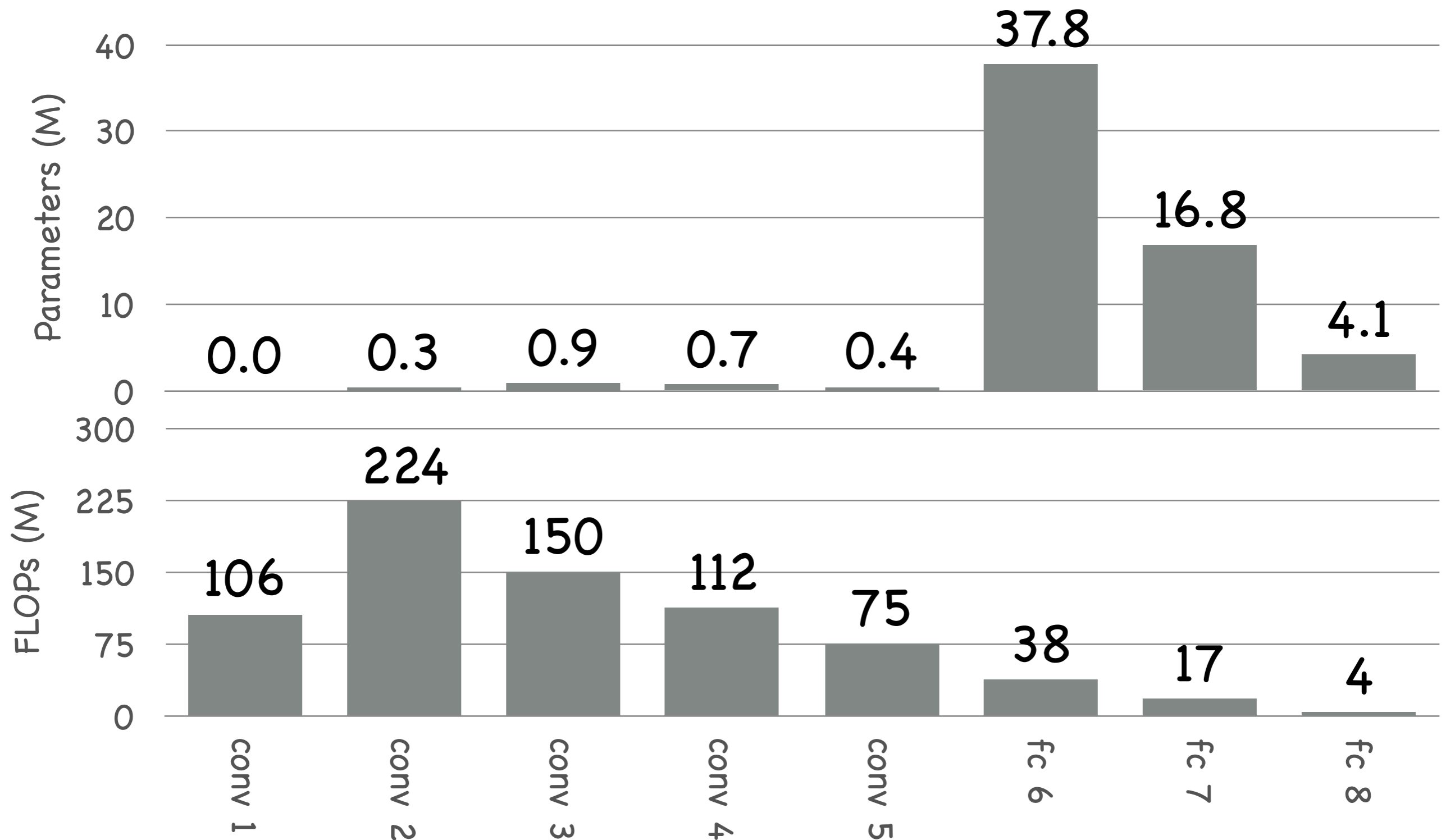
# Activation maps in AlexNet



# Activation maps in AlexNet



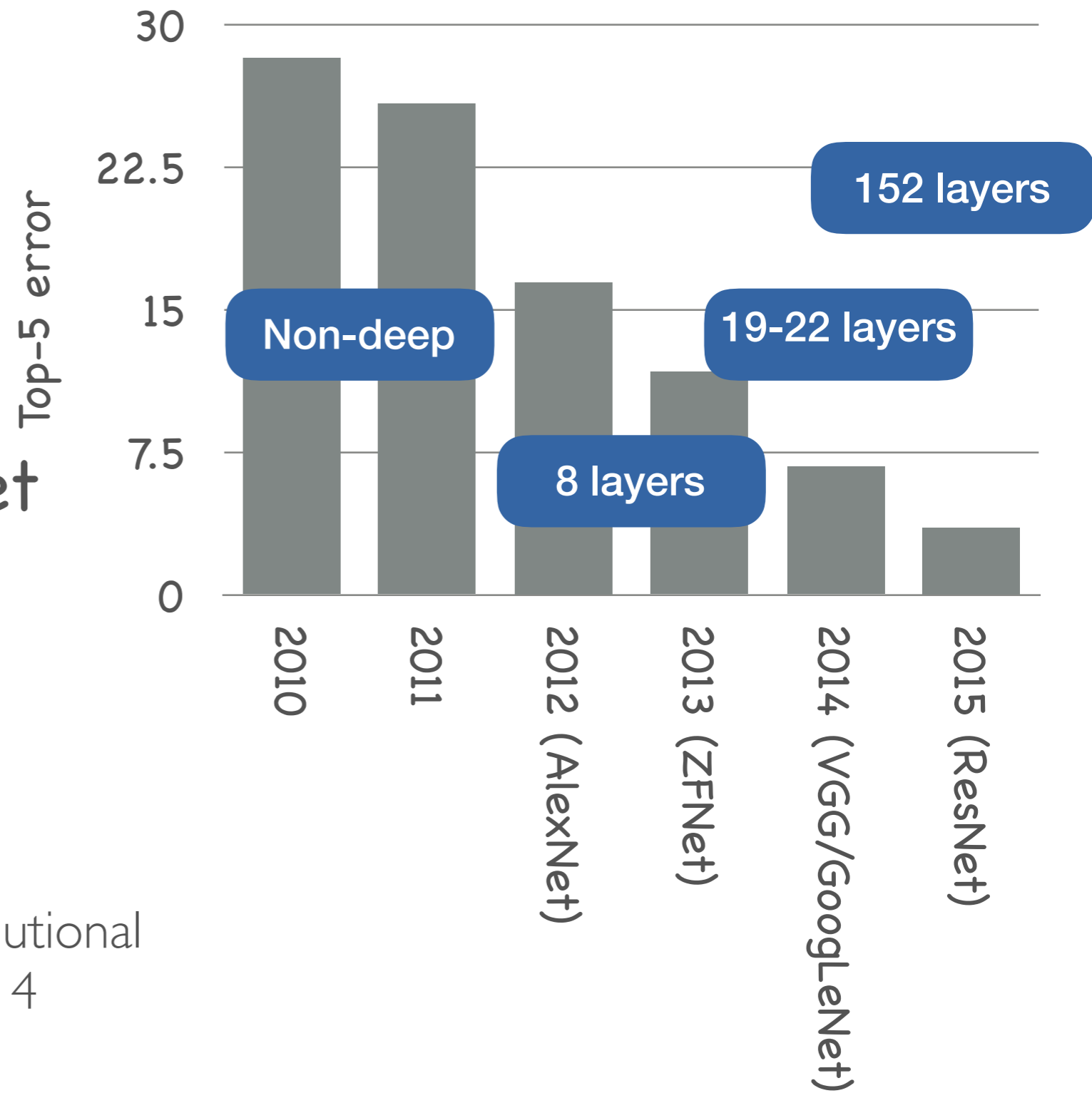
# Parameters and computation



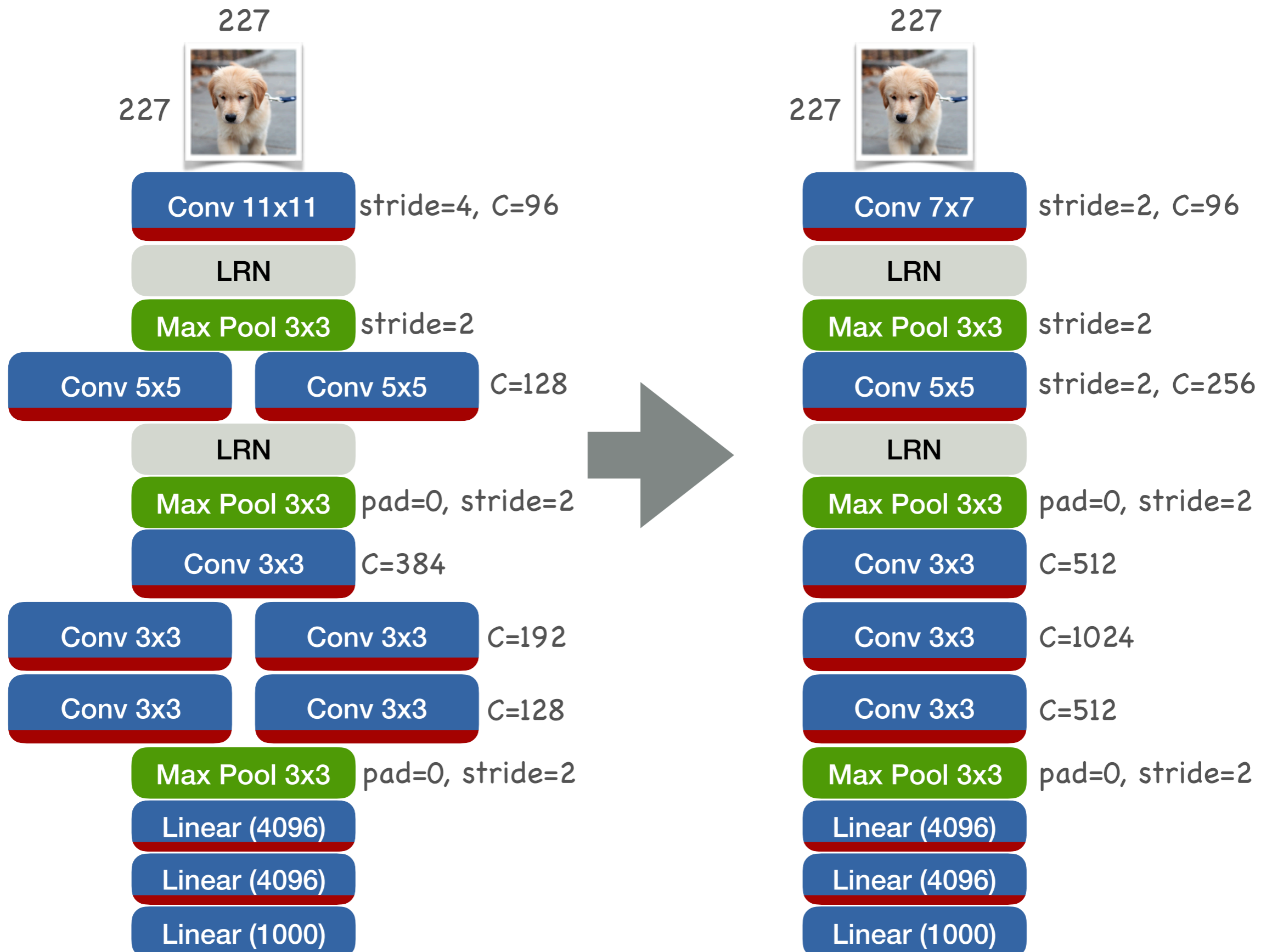
# ZFNet

ImageNet challenge

- Won the ImageNet competition 2013
- Nice analysis and visualization of AlexNet
- Introduced up-conv

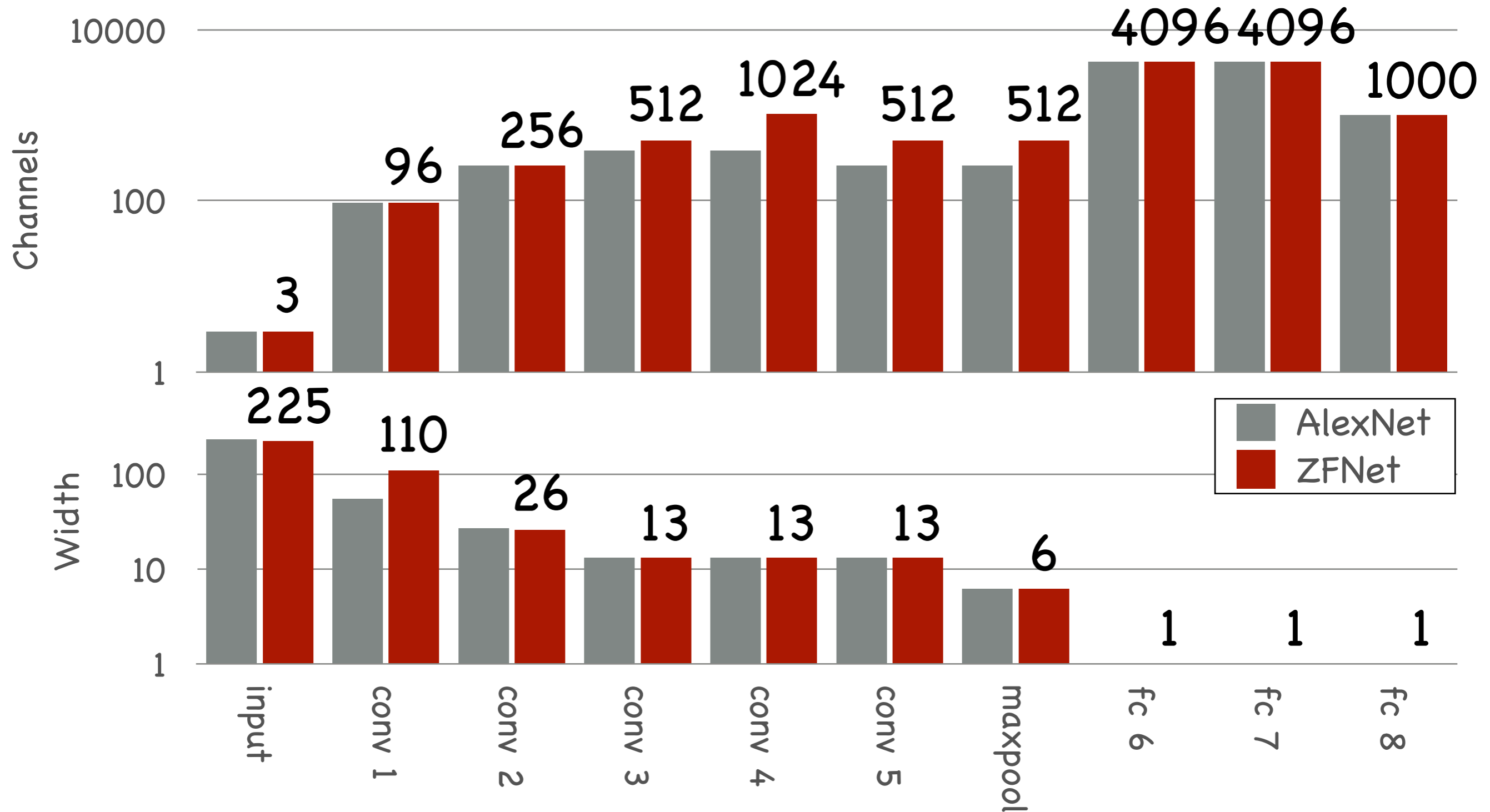


# AlexNet to ZFNet





# Activation maps in ZFNet



# Parameters and computation

