

# Inception-ResNetV2

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# 01 Dataset

## Inspection



n02097047 (196)



n01682714 (40)



n03134739 (522)



n04254777 (806)



n02859443 (449)



n02096177 (192)



n02107683 (239)



n01443537 (1)



n02264363 (318)



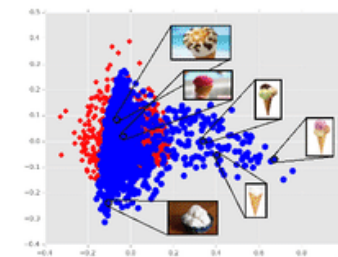
Icecream - ILSVRC12 (IN)



Icecream - WIN



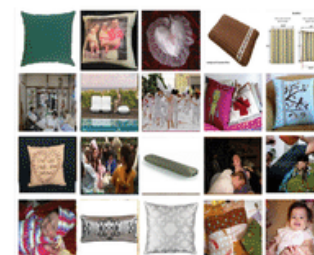
Icecream - WINC



ILSVR red, WINC blue



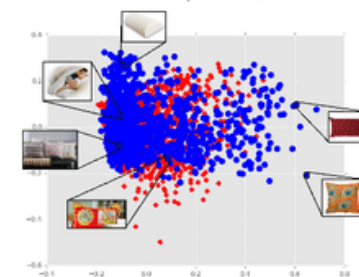
Pillow - ILSVRC12 (IN)



Pillow - WIN



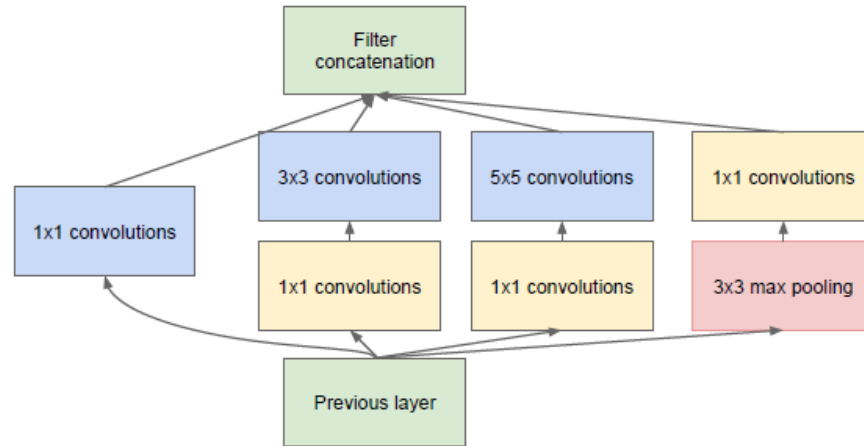
Pillow - WINC



ILSVR red, WINC blue

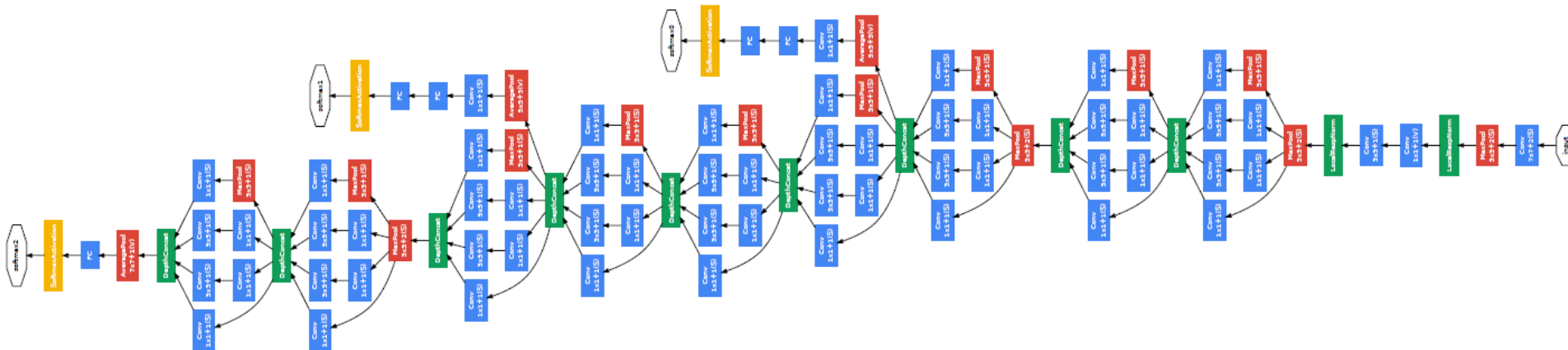
# 01 GoogLeNet

## GoogLeNet



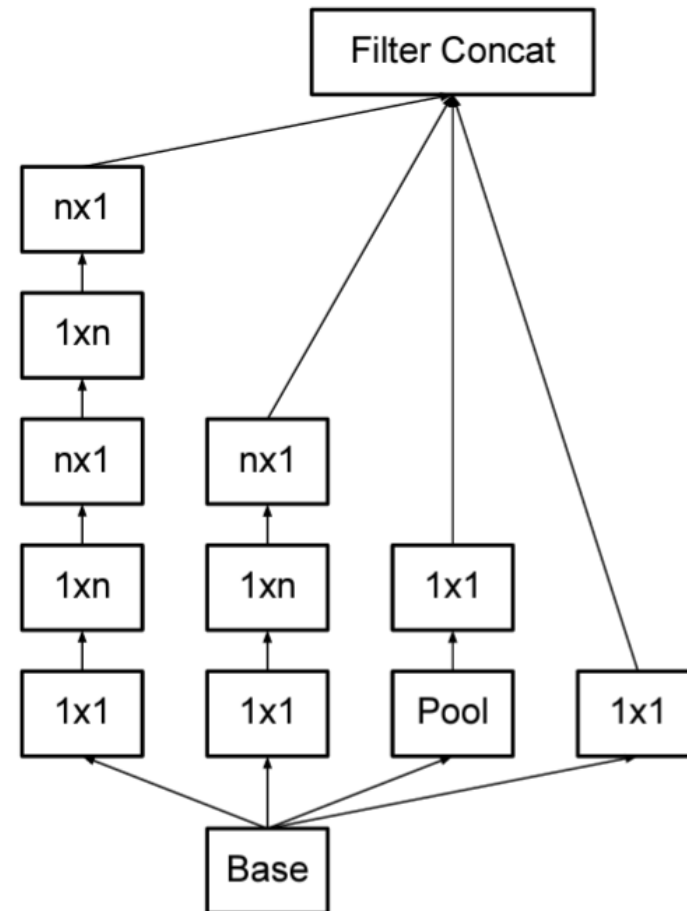
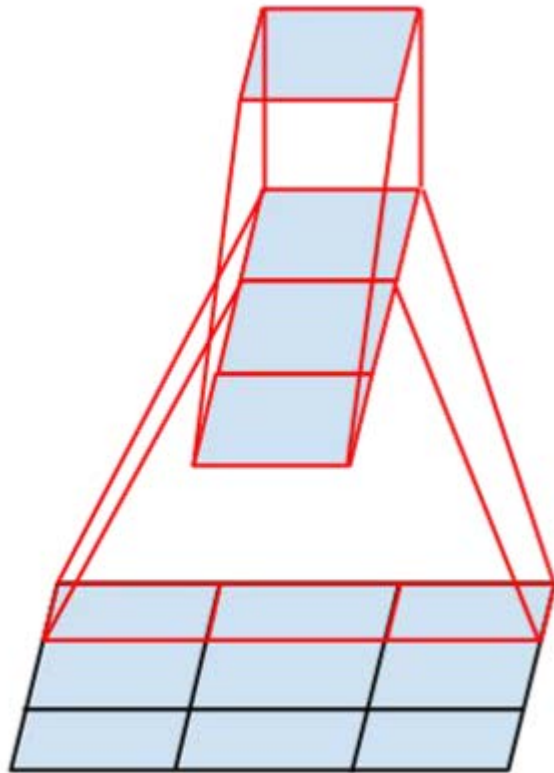
- Large depth of the network
- Auxiliary classifiers are calculated while training
- Their loss gets added to the total loss of the network with a discount weight

(b) Inception module with dimension reductions



# 01 Inception Block

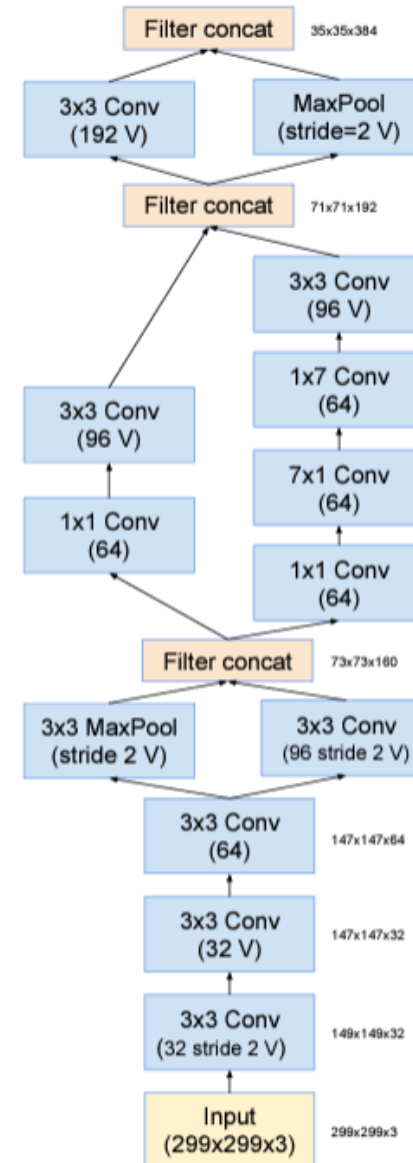
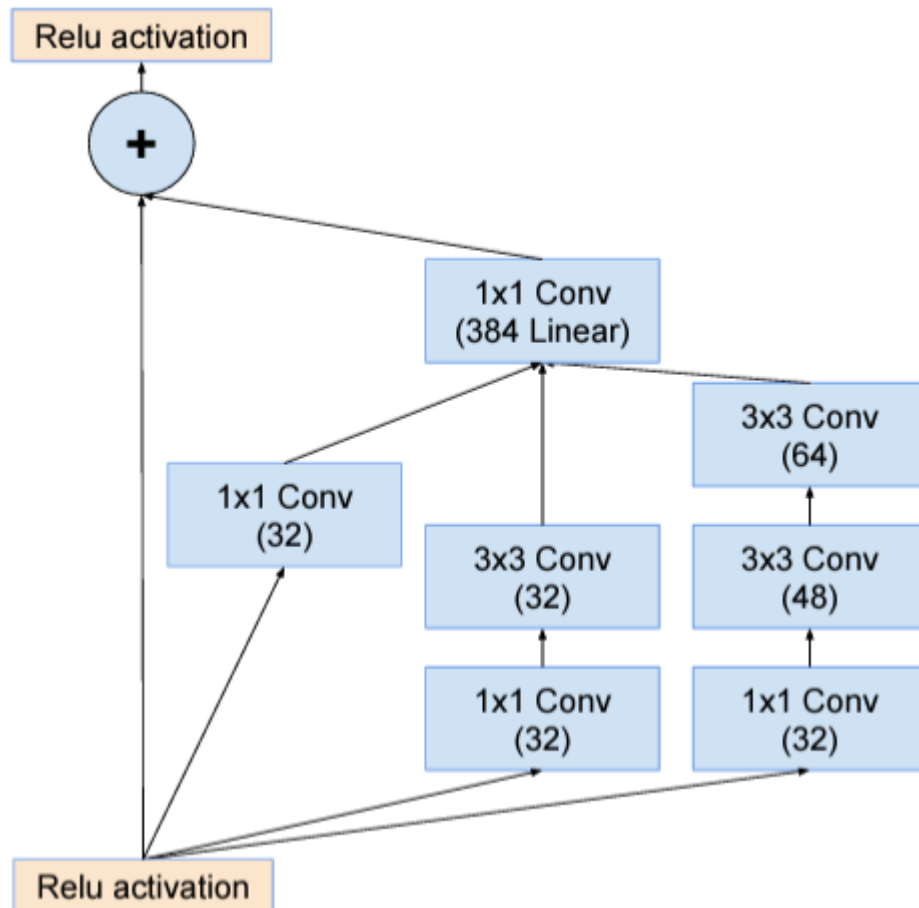
7x7 Factorization



•  $n = 7$

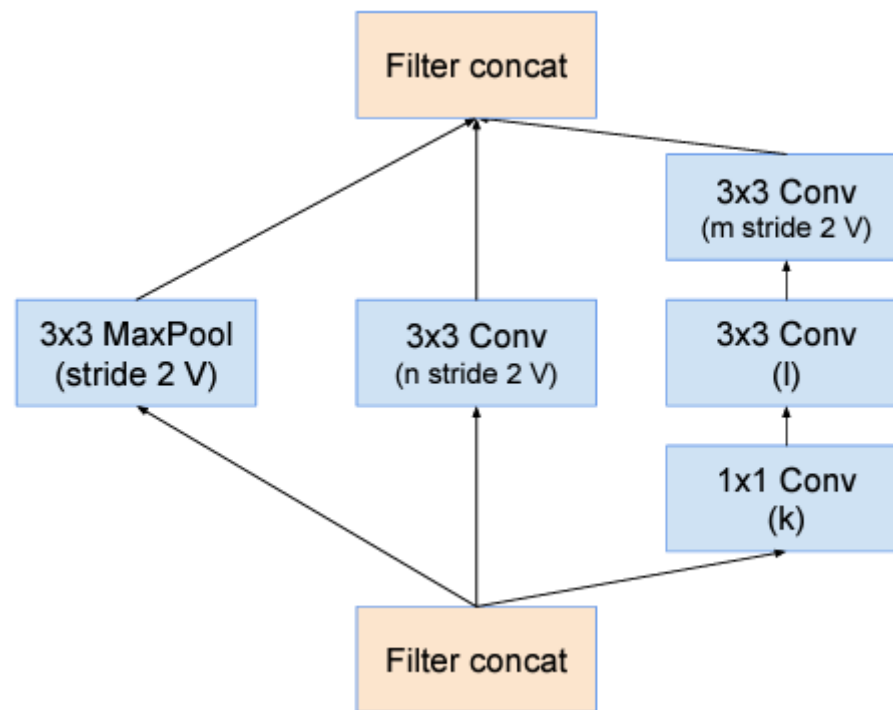
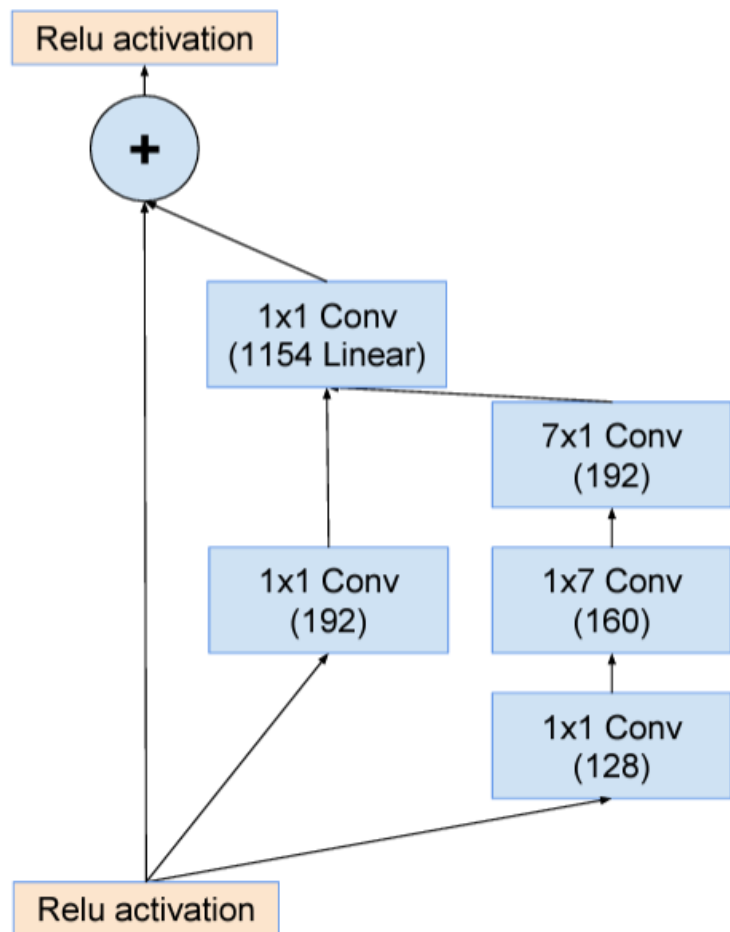
# 01 Inception-ResNet

## Stem, block-A



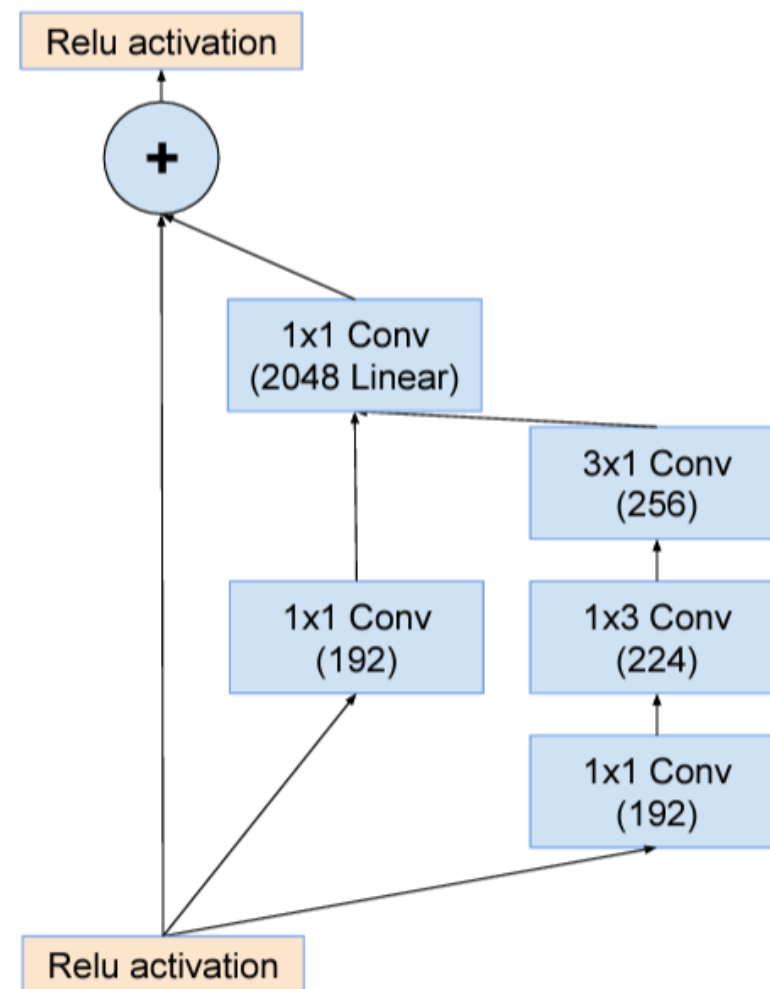
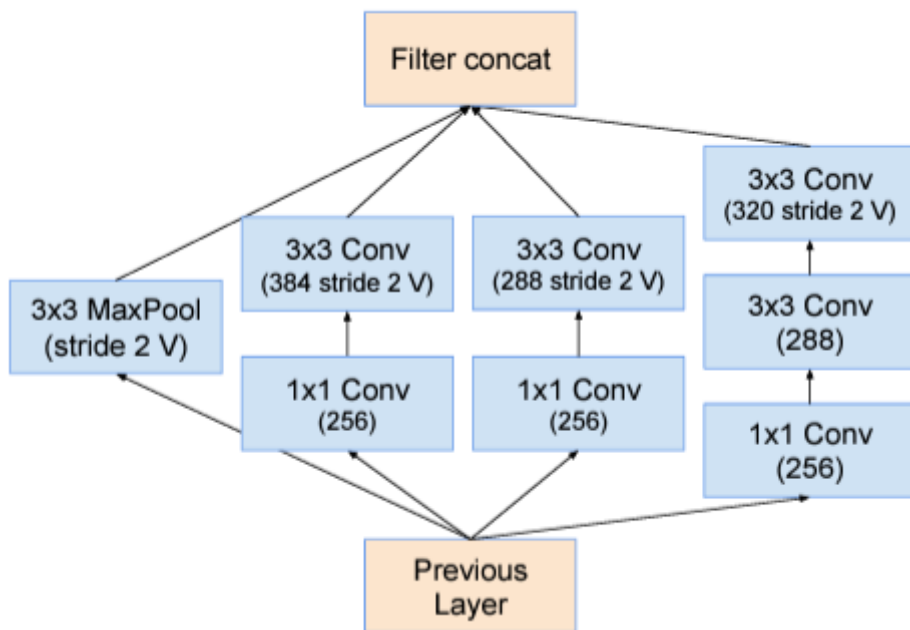
# 01 Inception Block

block-B, reduction-A



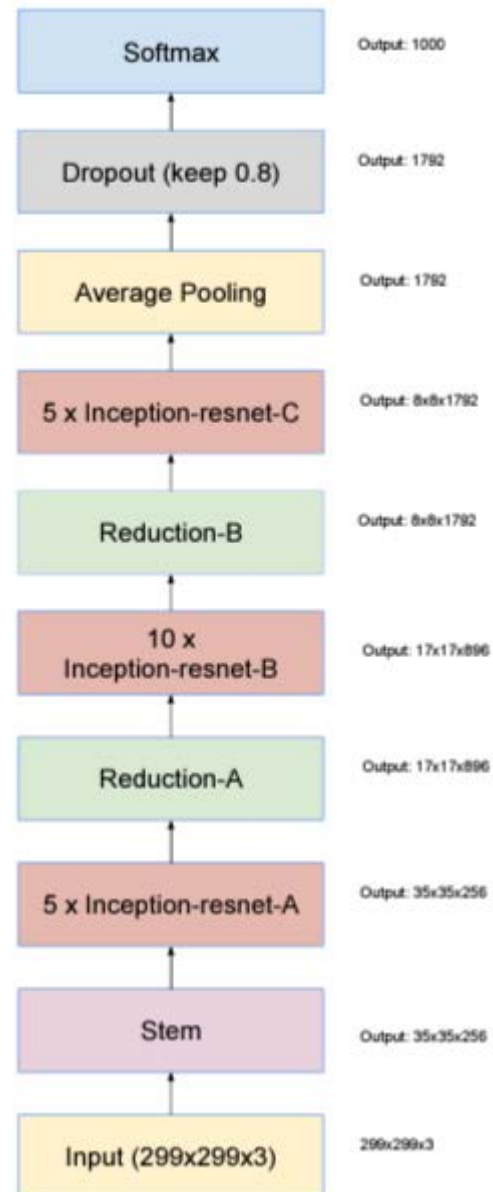
# 01 Inception Block

reduction-B, block-C



# 01 Inception-ResNet

model





Thank  
You

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