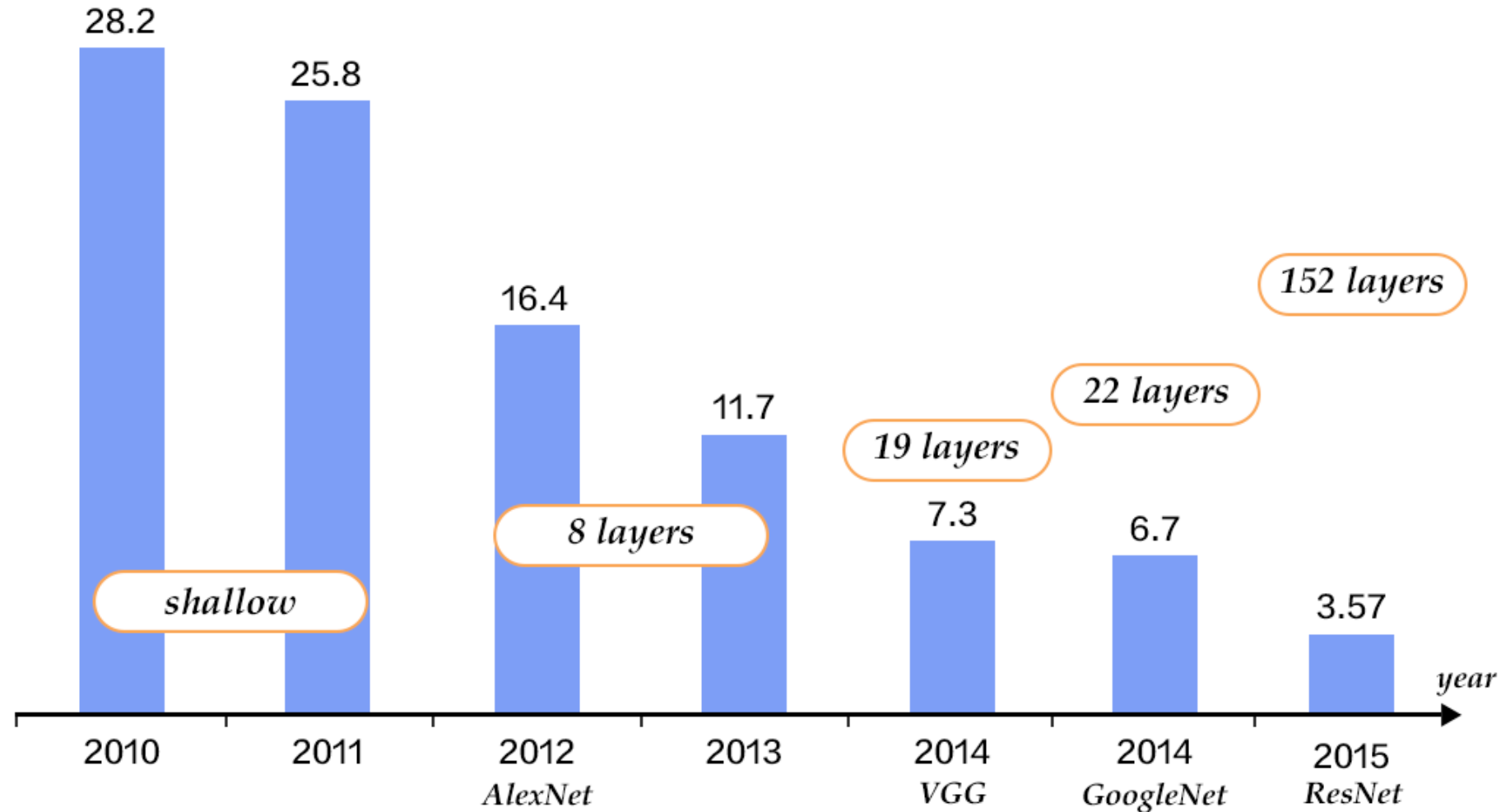


# AlexNet

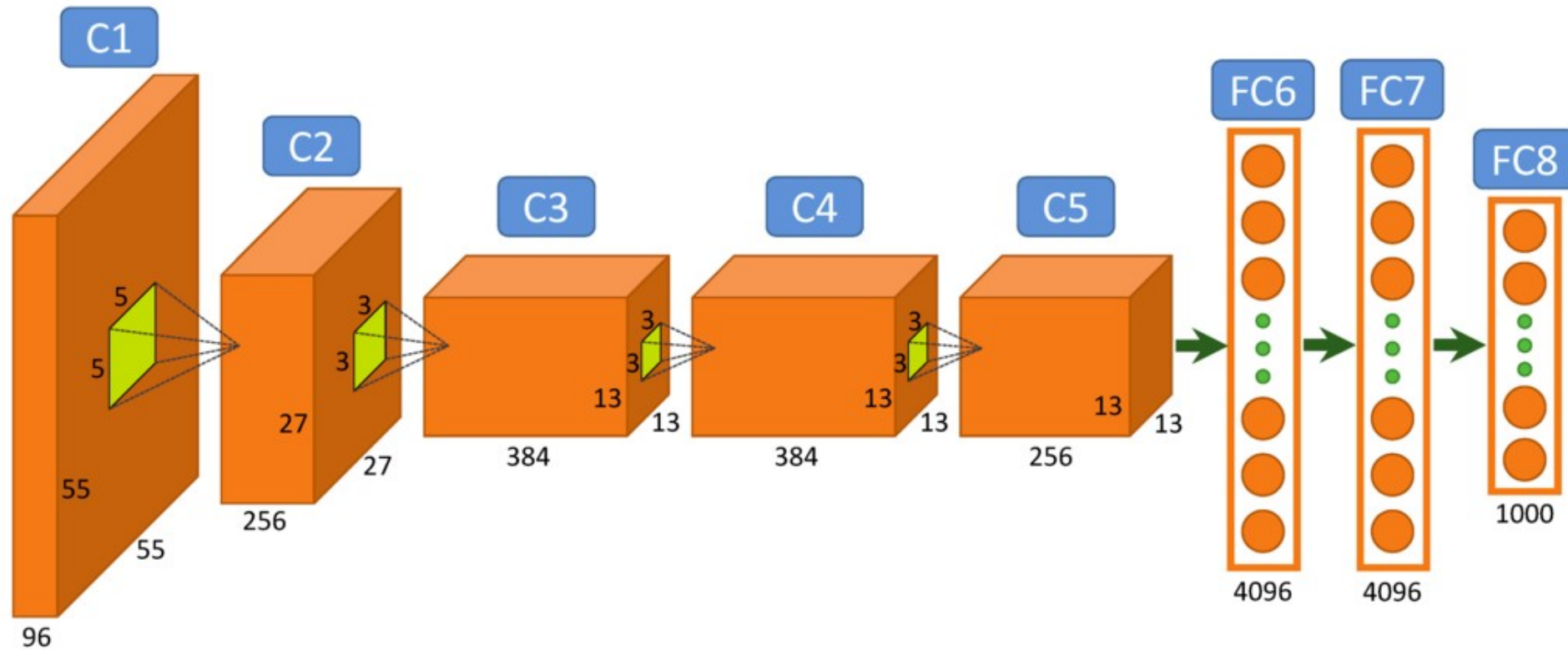
# ILSVRC



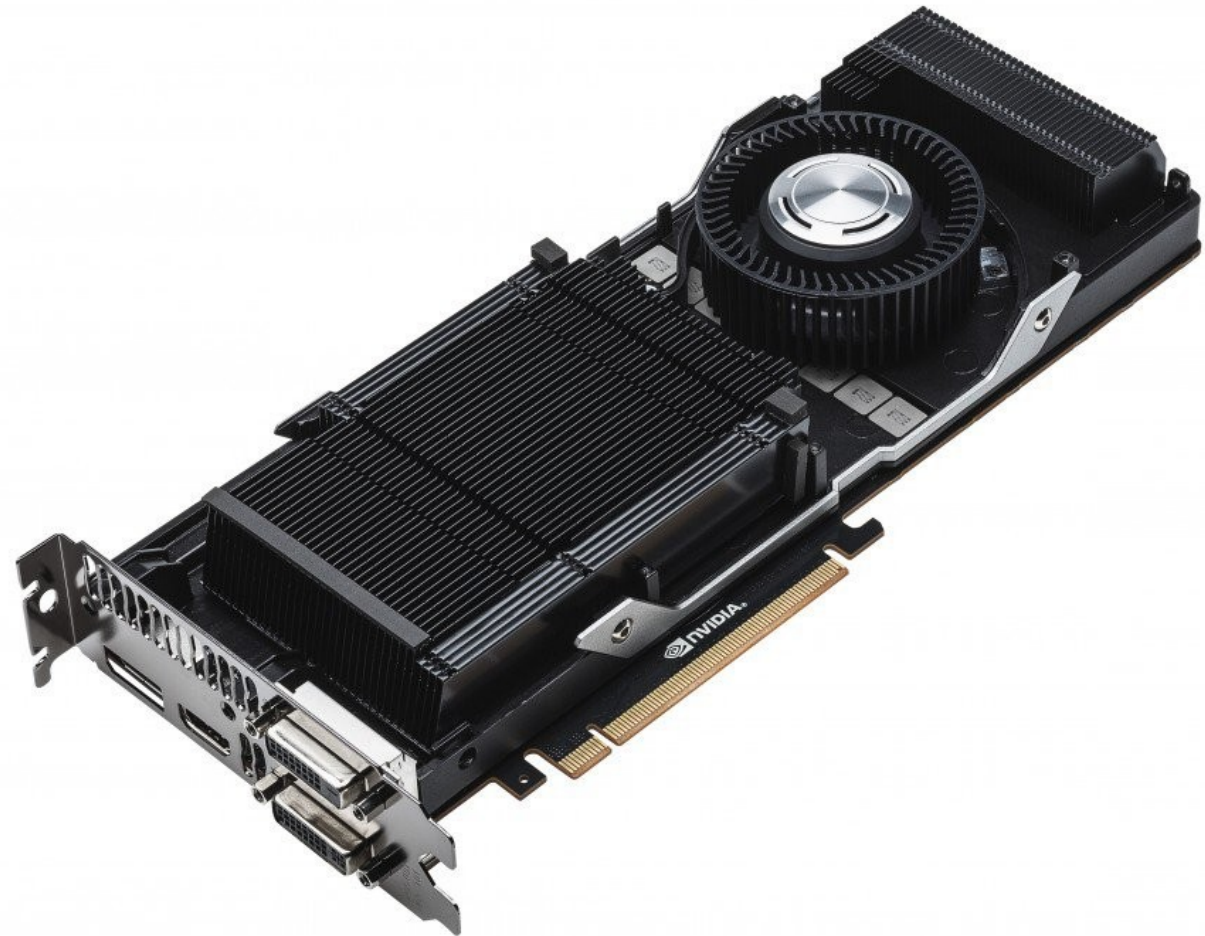
# Архитектура



# AlexNet



# GPU



# Строительные блоки

## Строительные блоки

Convolution

ReLU

Pooling

CrossChanel  
Normalization

## Строительные блоки

Convolution

ReLU

Pooling

CrossChanel  
Normalization

FullyConnected

Dropout



## Строительные блоки

Convolution

ReLU

Pooling

CrossChanel  
Normalization

FullyConnected

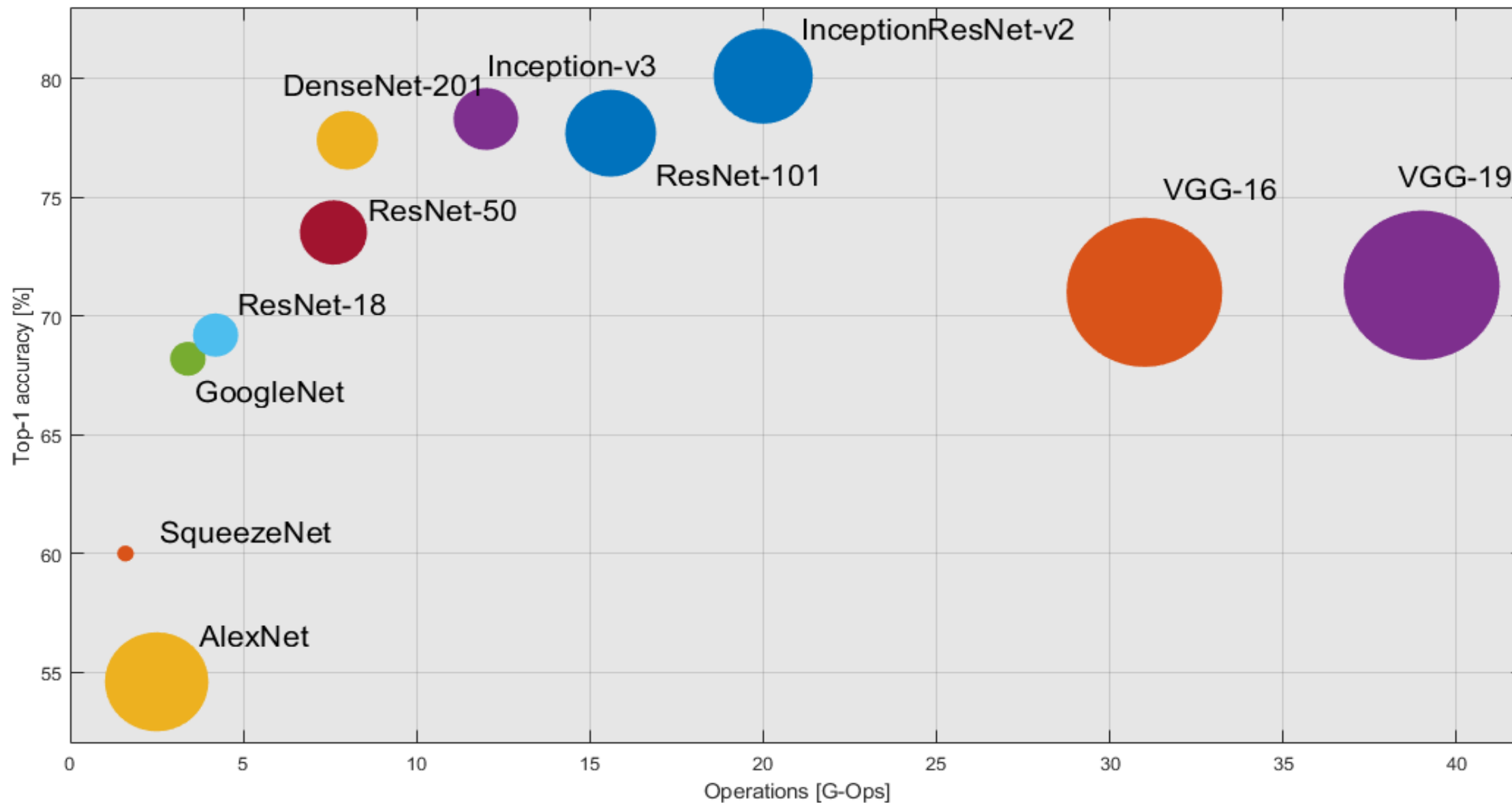
Dropout

Input

Softmax

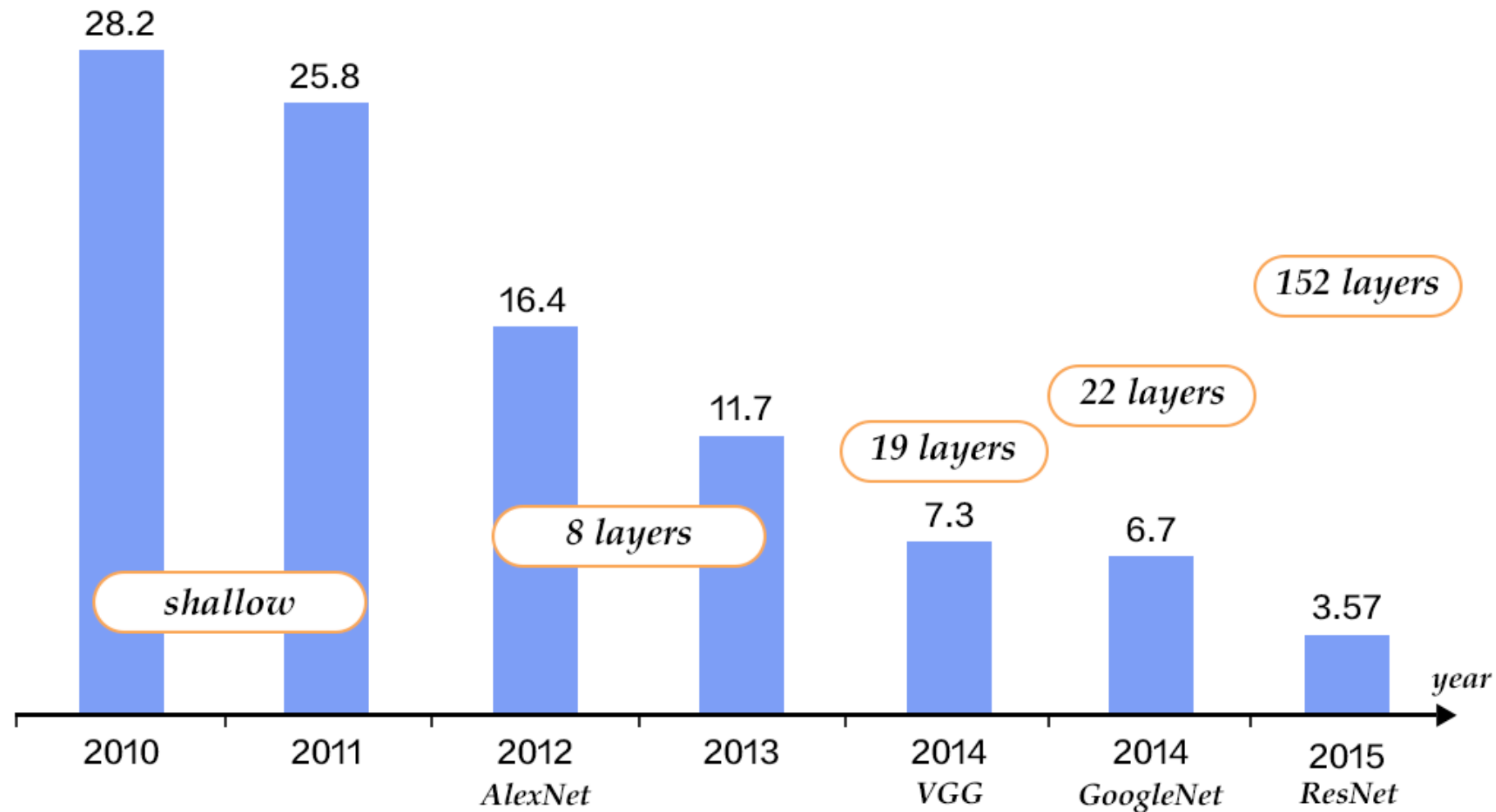
Classification

## Доступные сети



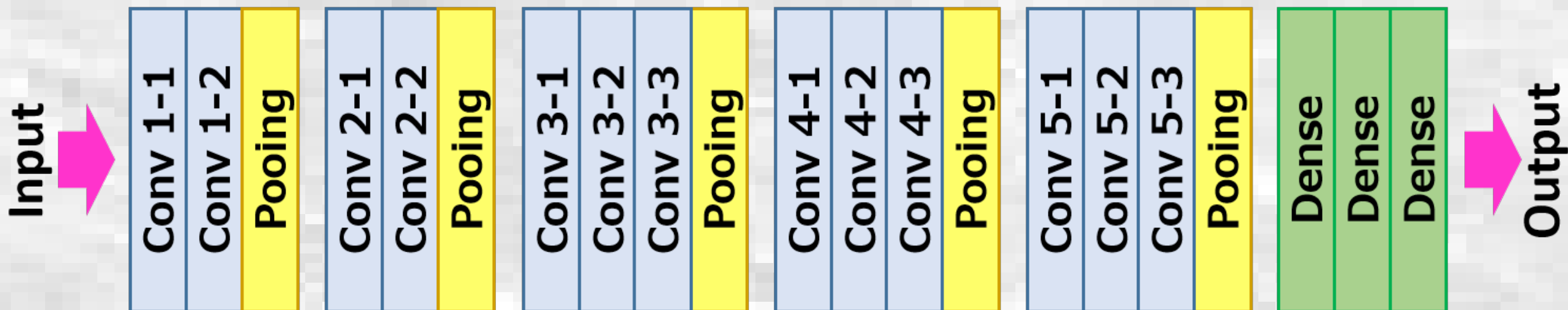
# VGG - 16 (19)

# ILSVRC



# Архитектура

## VGG-16



# Строительные блоки

Convolution

Input

FullyConnected

ReLU

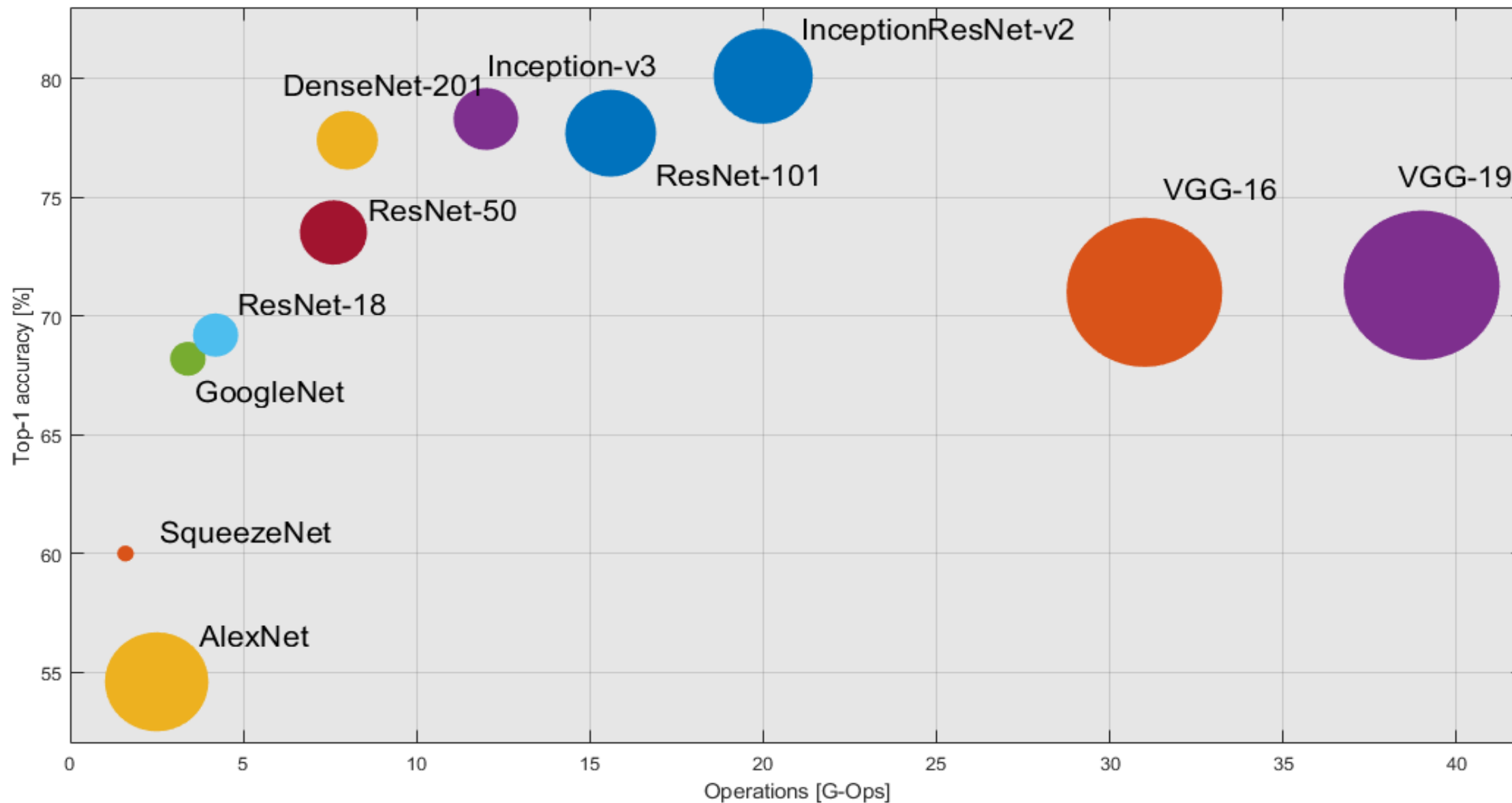
Softmax

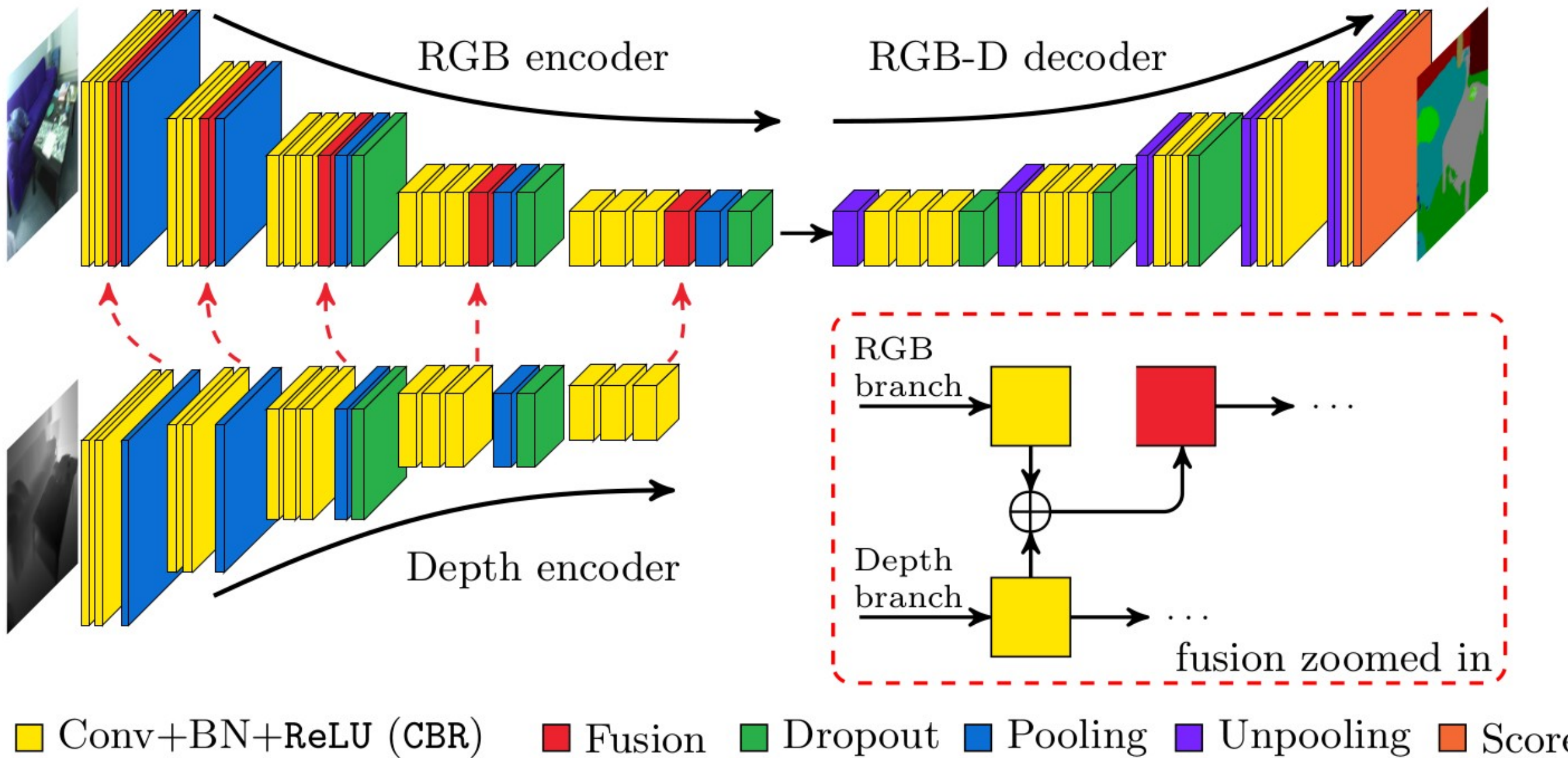
Dropout

Pooling

Classification

## Доступные сети

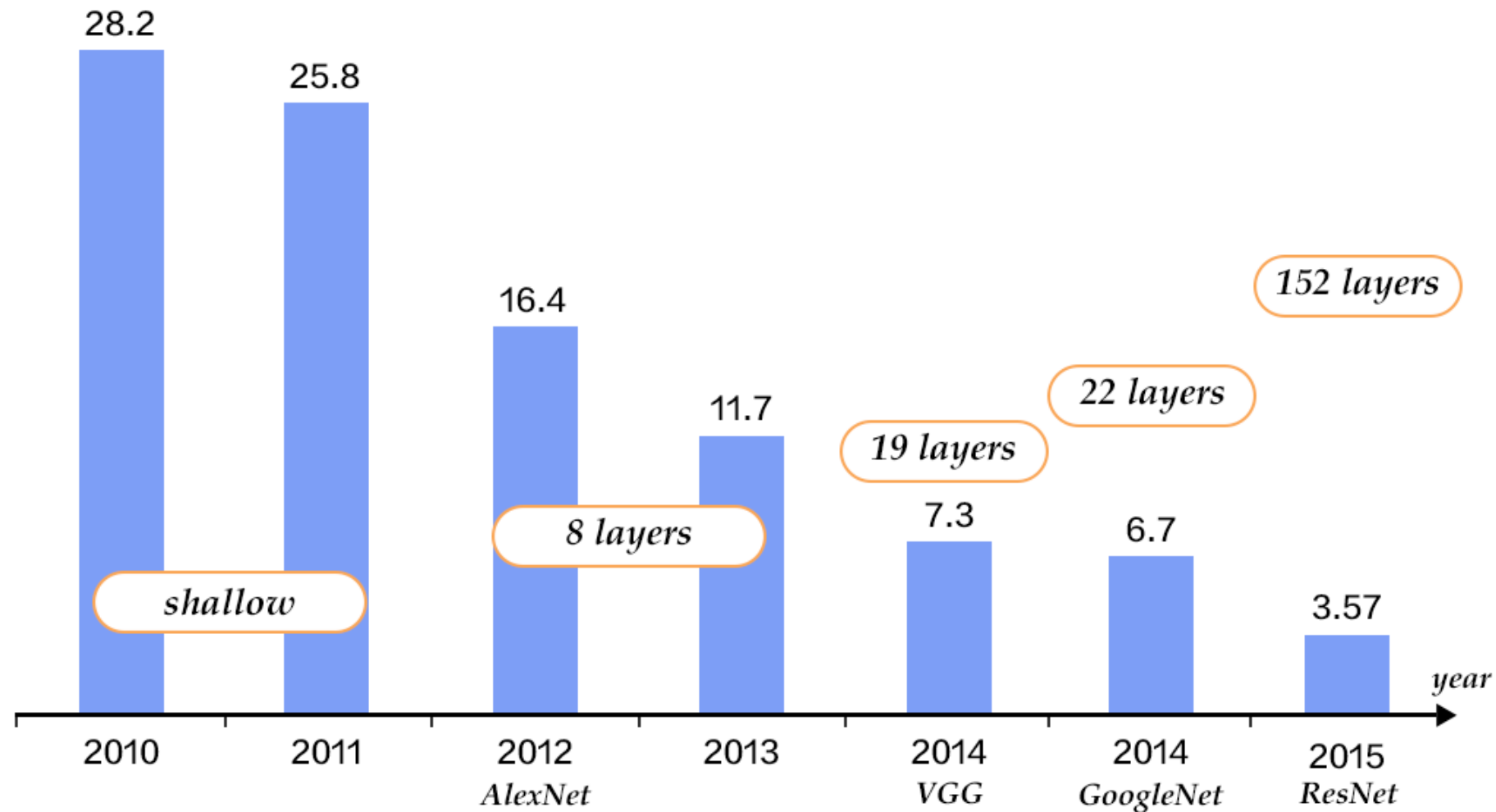




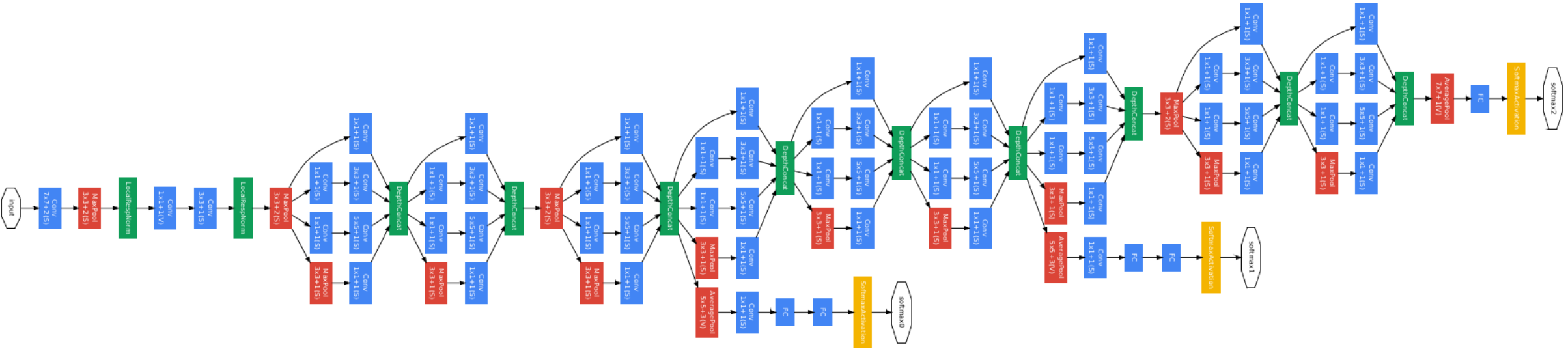


# GoogleNet

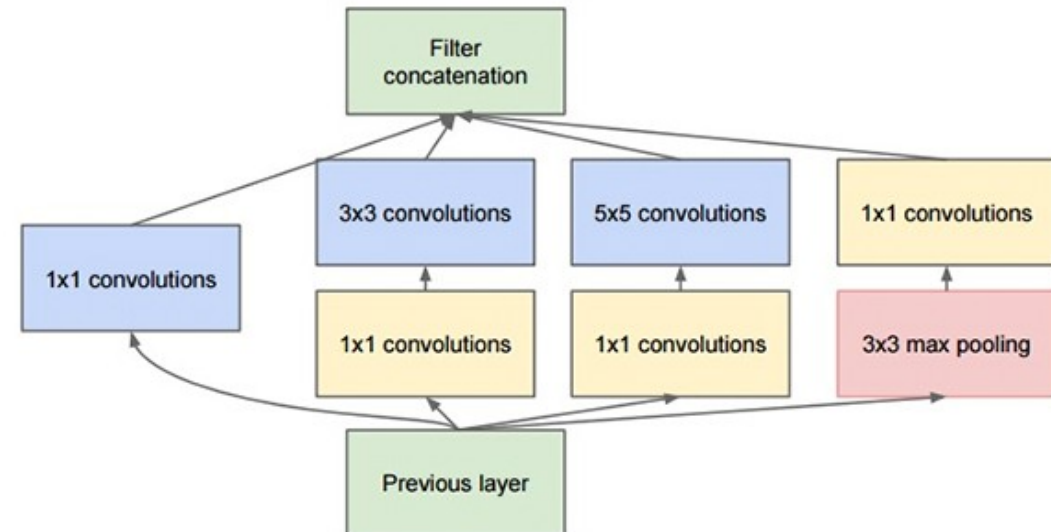
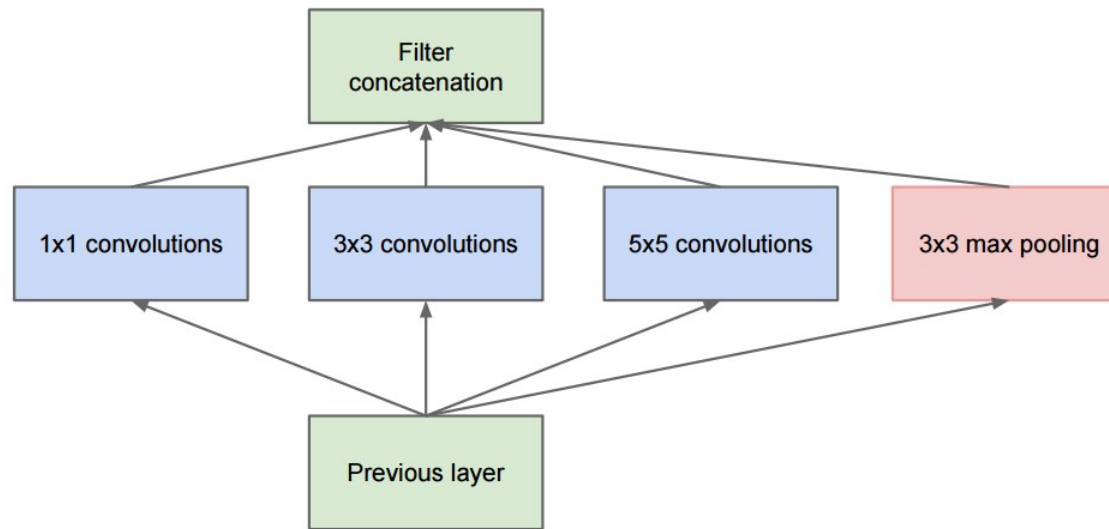
# ILSVRC



# Архитектура



# GoogleNet (inception)



# Строительные блоки

# Строительные блоки

Convolution

ReLU

Pooling

CrossChanel  
Normalization

## Строительные блоки

Convolution

ReLU

Pooling

CrossChanel  
Normalization

FullyConnected

Dropout

## Строительные блоки

Convolution

ReLU

Pooling

CrossChanel  
Normalization

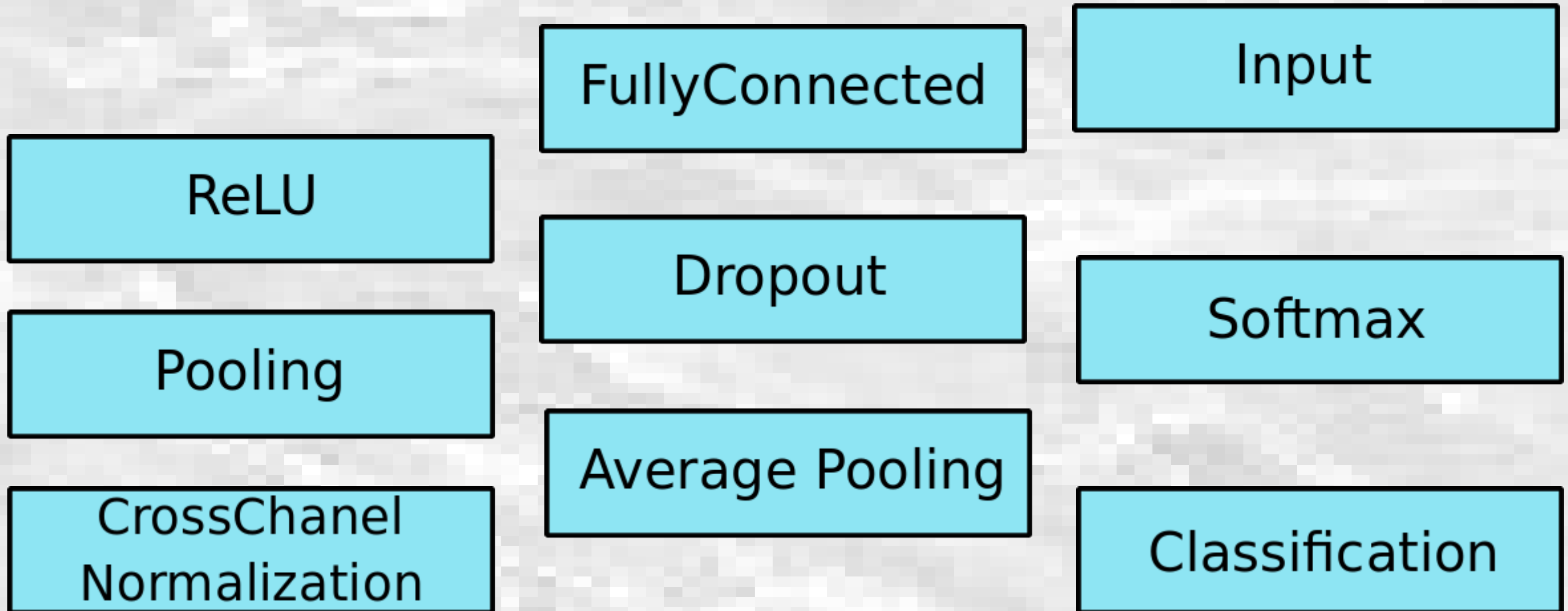
FullyConnected

Dropout

Average Pooling



# Строительные блоки



# Строительные блоки

Convolution

ReLU

CrossChanel  
Normalization

FullyConnected

Average Pooling

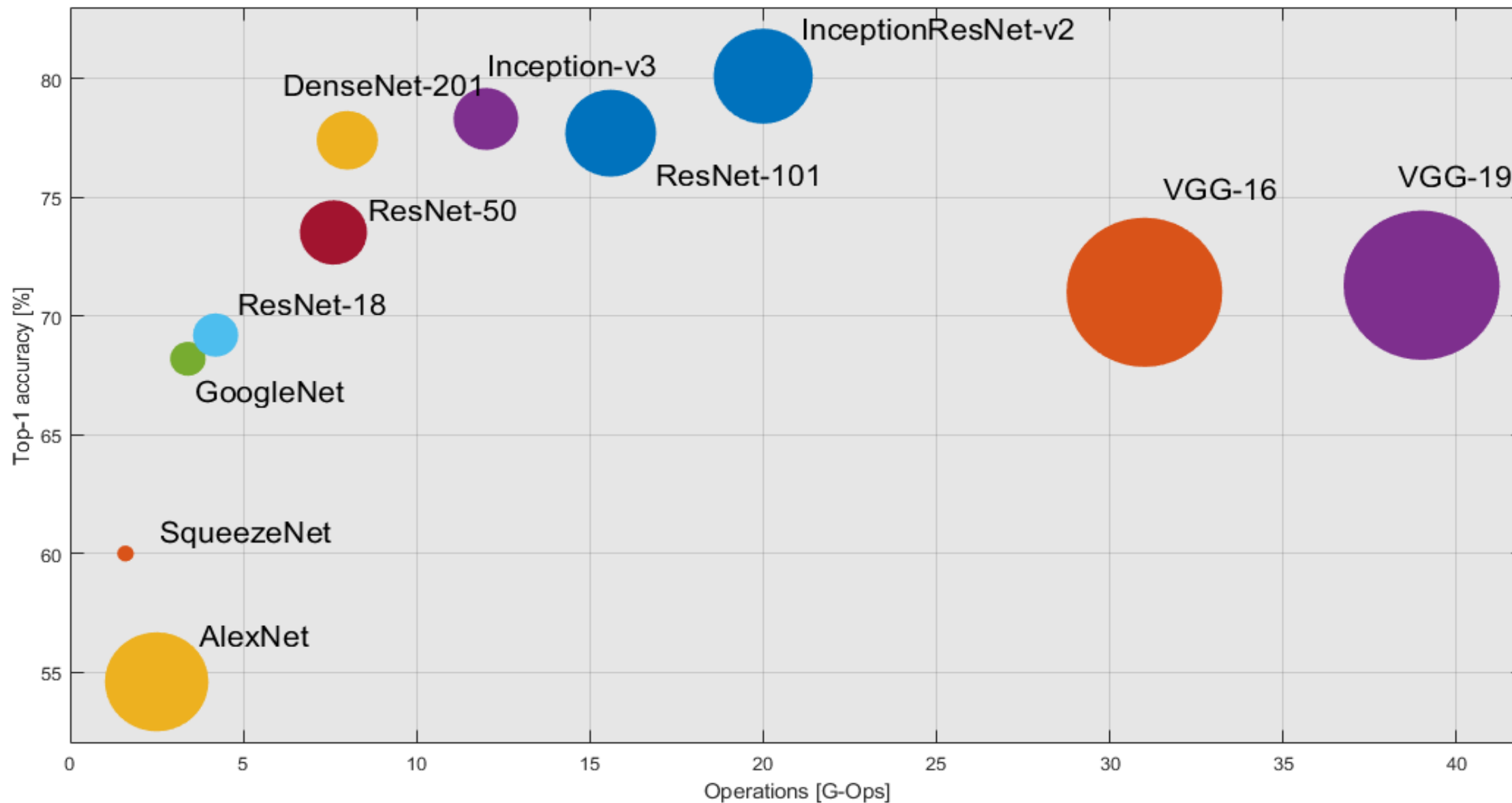
DepthConcatenation

Input

Softmax

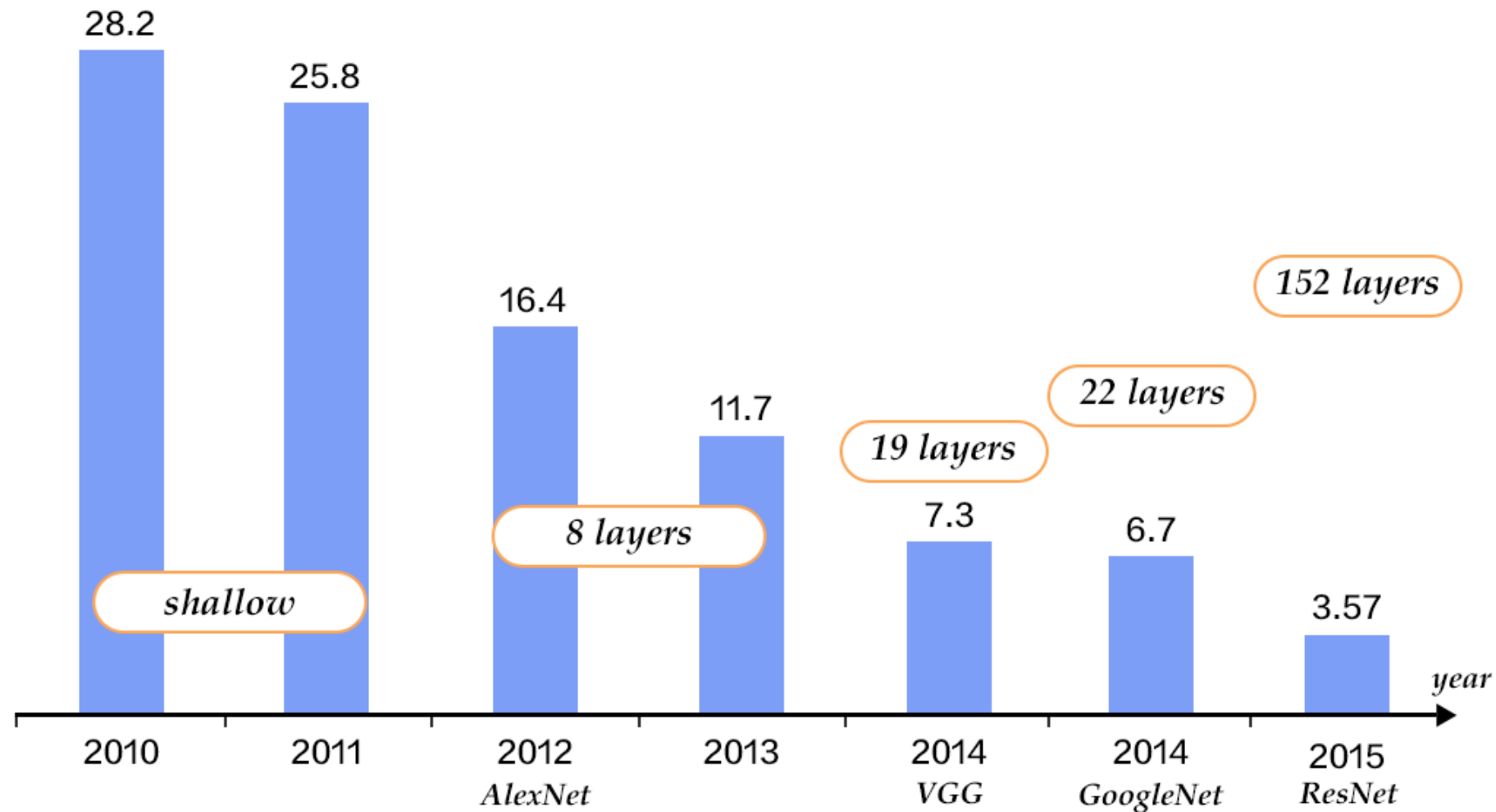
Classification

## Доступные сети



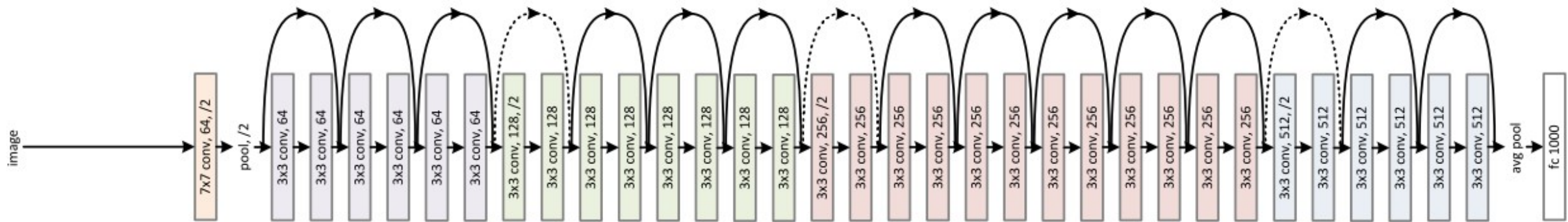
# ResNet

# ILSVRC



# Архитектура

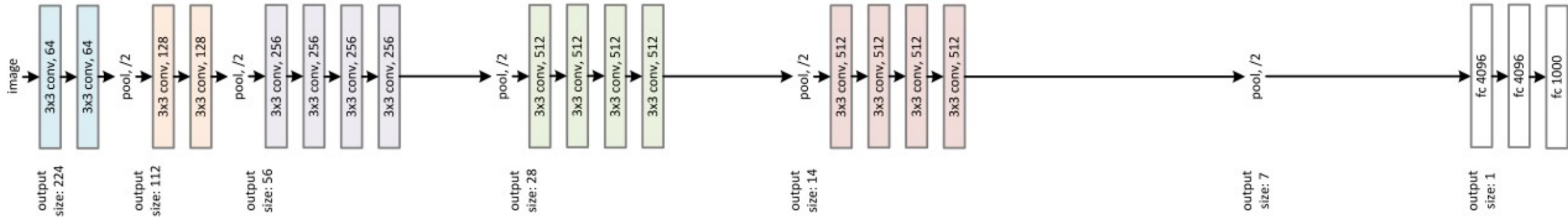
34-layer residual

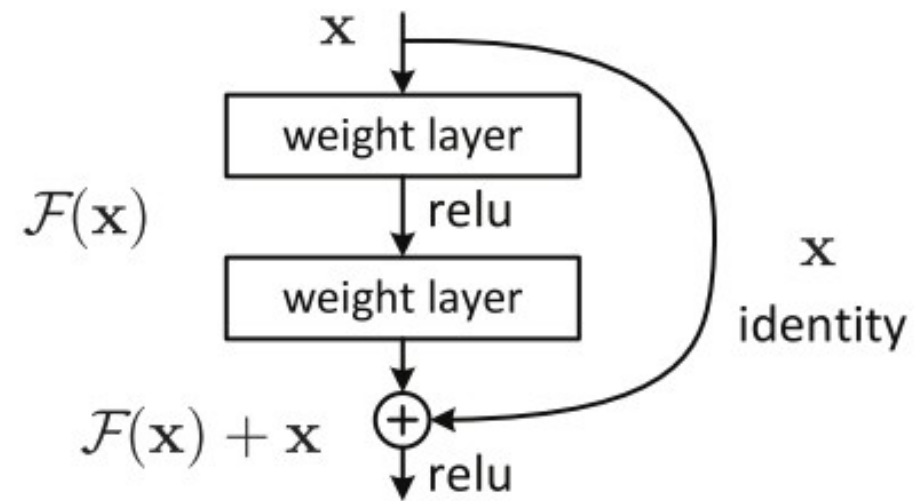


34-layer plain



VGG-19





# Строительные блоки



# Строительные блоки

Convolution

ReLU

Pooling

Batch  
Normalization

## Строительные блоки

Convolution

FullyConnected

ReLU

Dropout

Pooling

Batch  
Normalization

## Строительные блоки

Convolution

ReLU

Pooling

Batch  
Normalization

FullyConnected

Dropout

Average Pooling

# Строительные блоки

Convolution

ReLU

Pooling

Batch  
Normalization

FullyConnected

Dropout

Average Pooling

Input

Softmax

Classification

# Строительные блоки

Convolution

ReLU

Pooling

Batch  
Normalization

FullyConnected

Dropout

Average Pooling

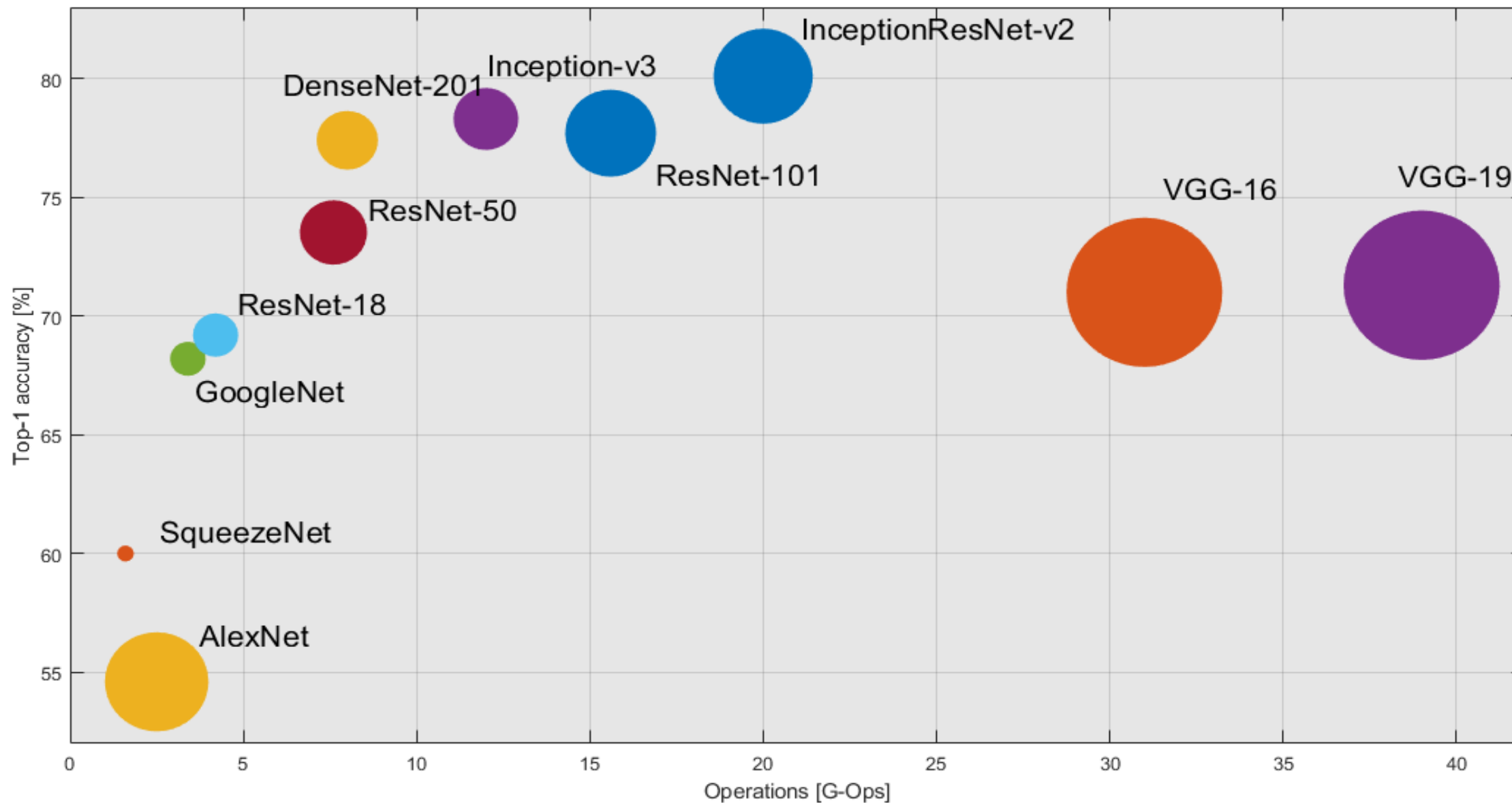
DepthConcatenation

Input

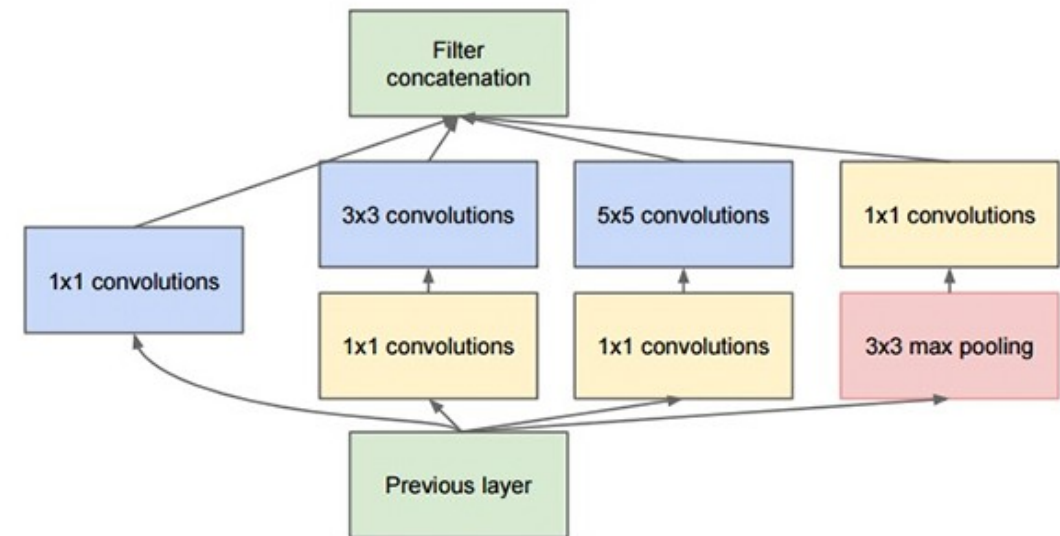
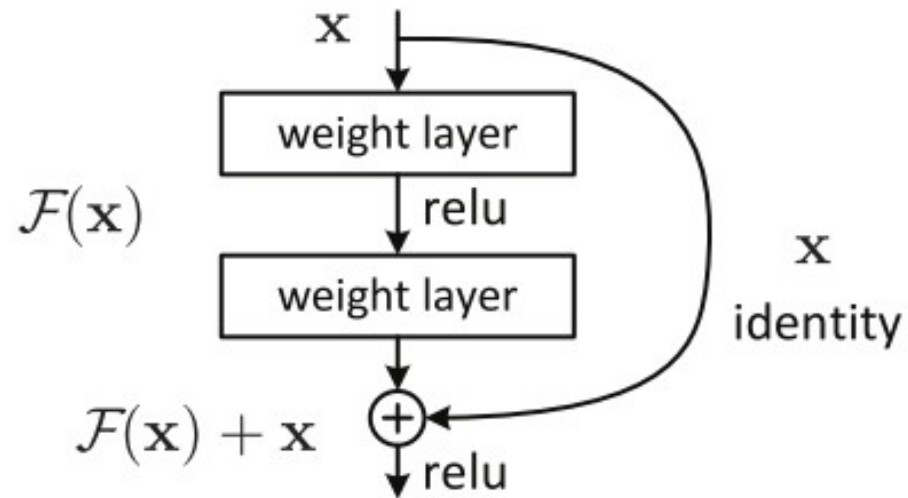
Softmax

Classification

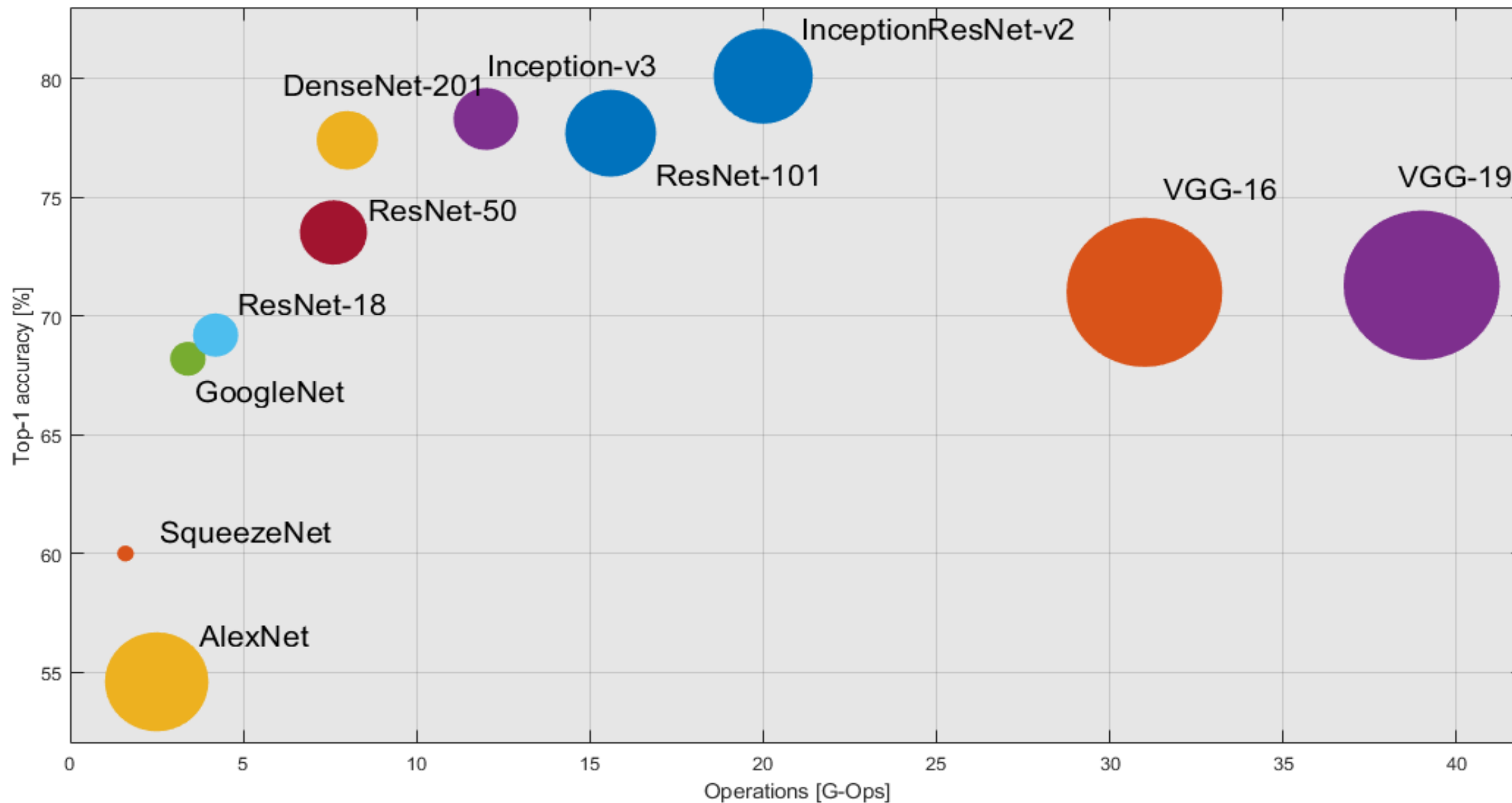
## Доступные сети



# InceptionResNet

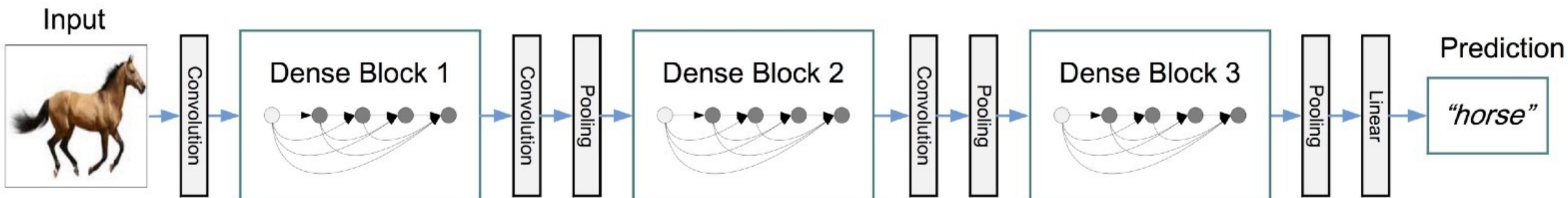
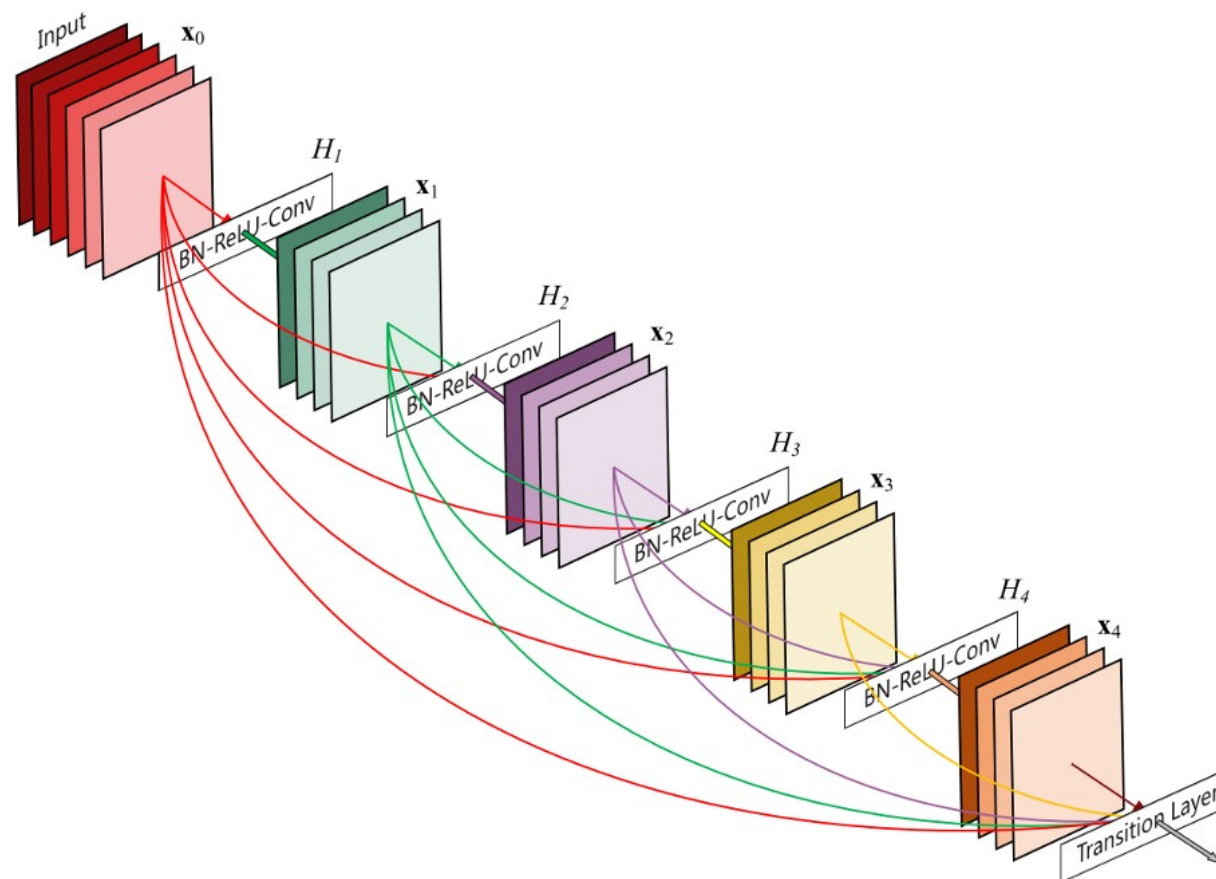


## Доступные сети

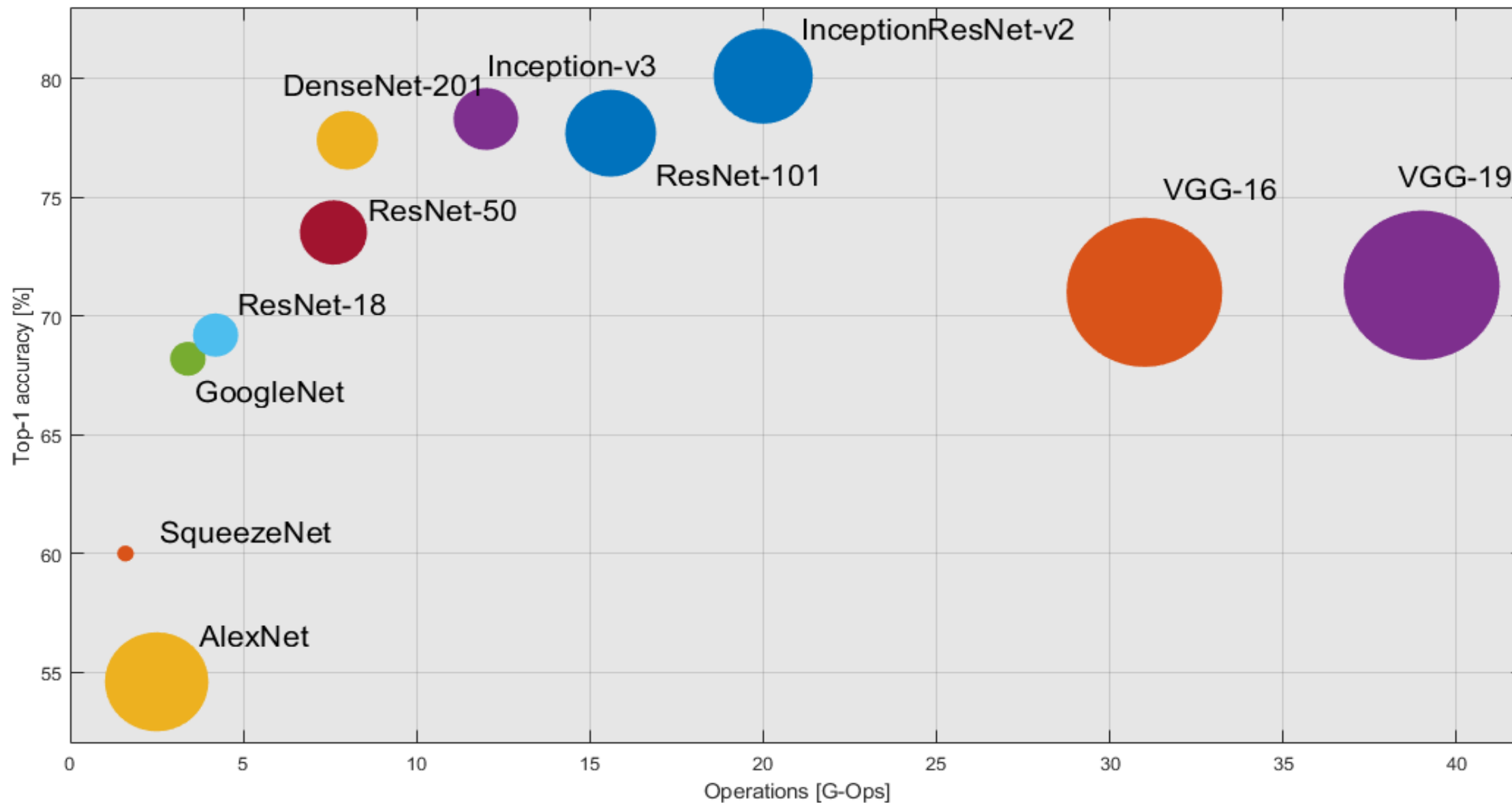




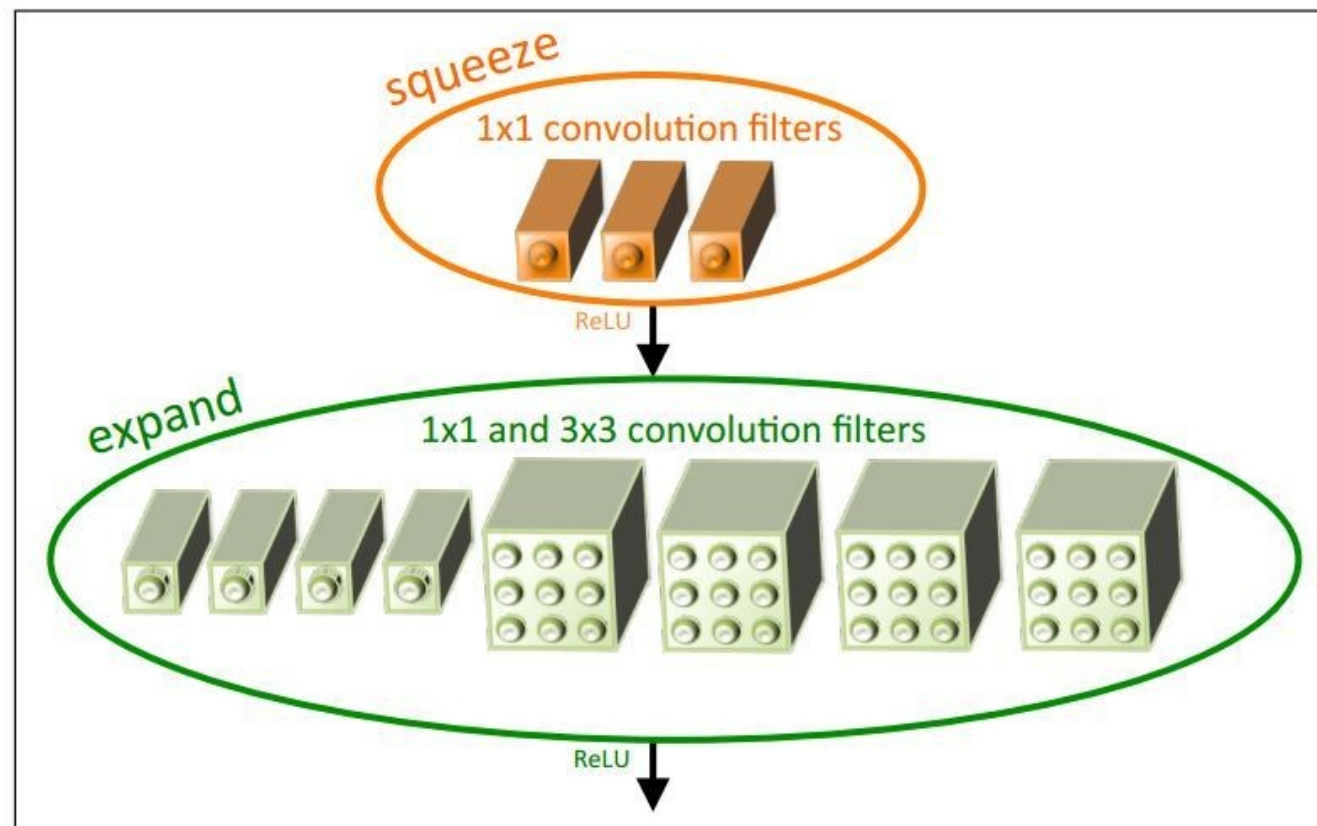
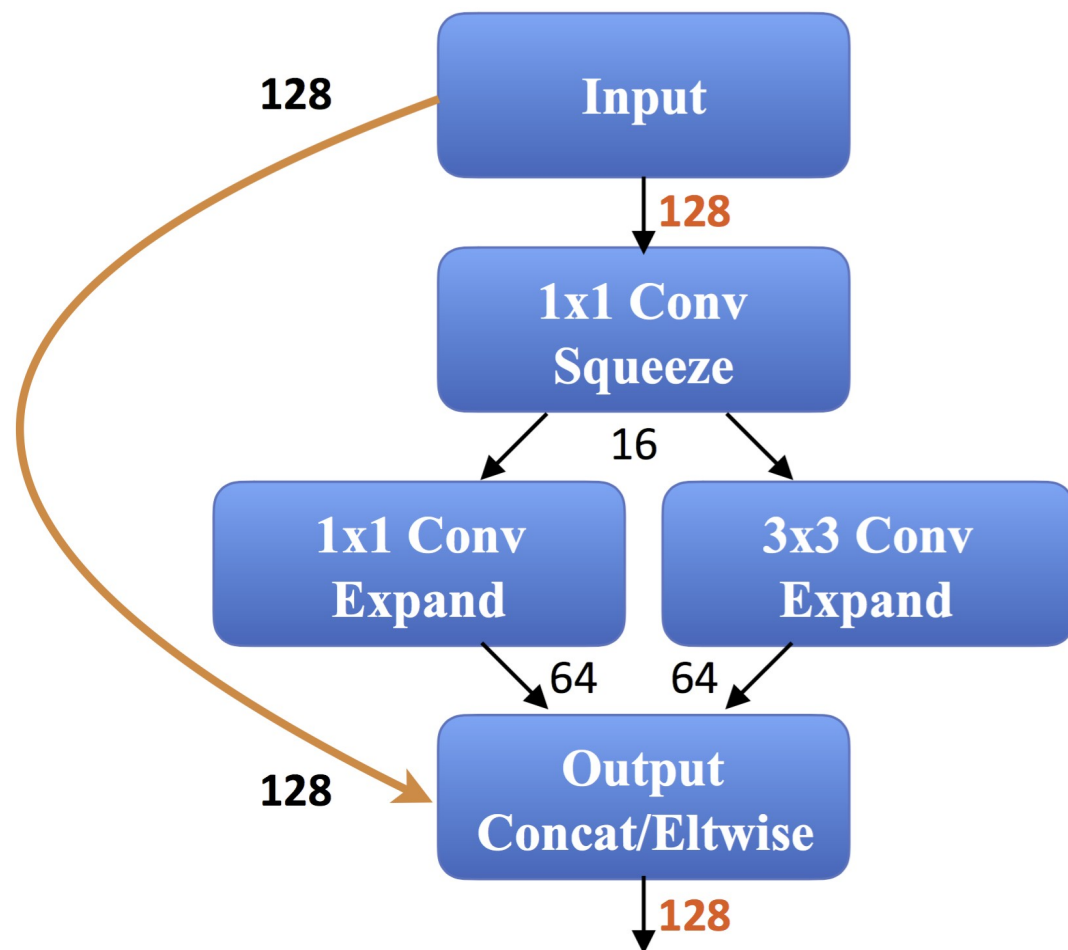
# DenseNet



## Доступные сети



# SqueezeNet



## Доступные сети

