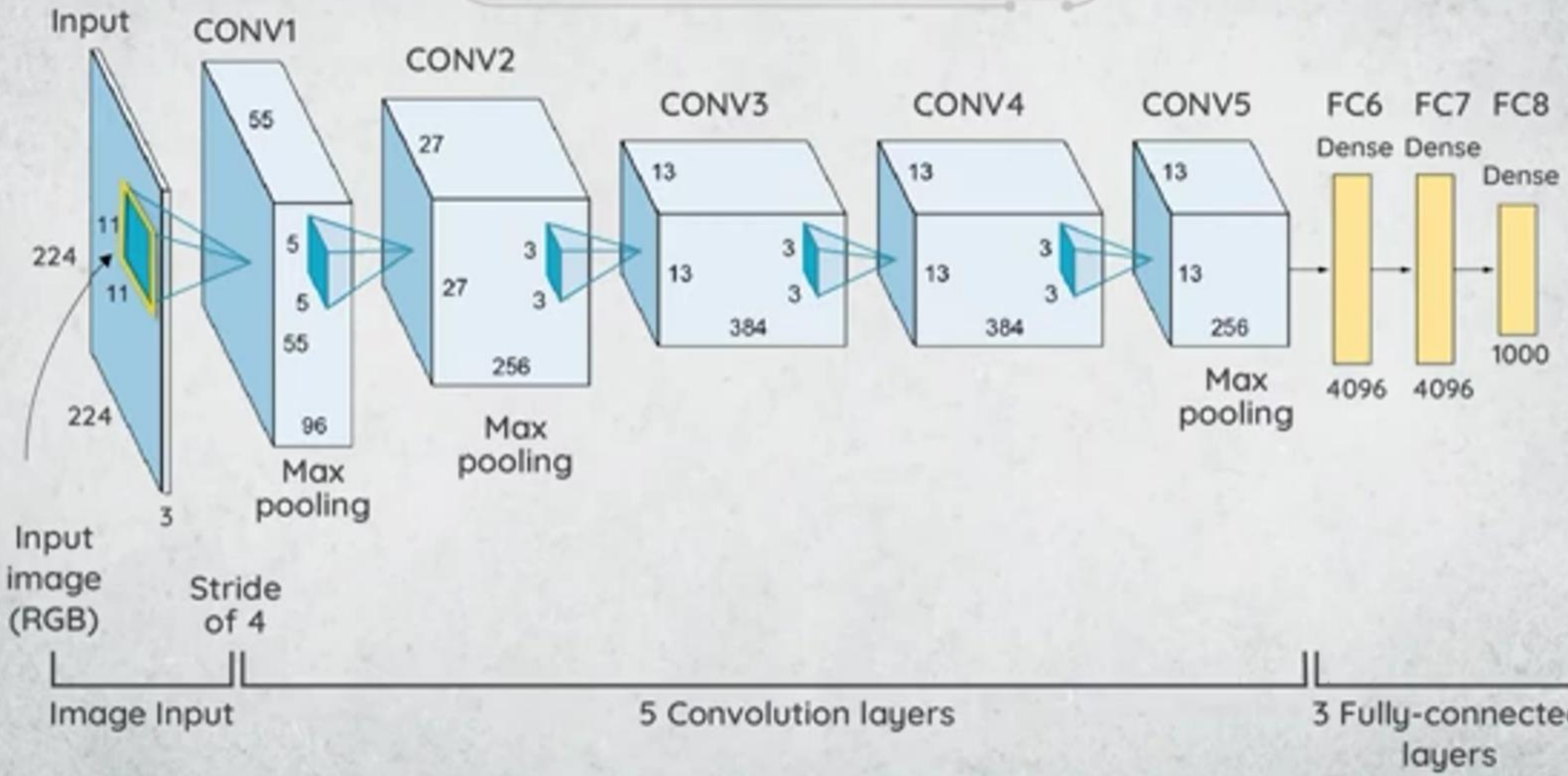
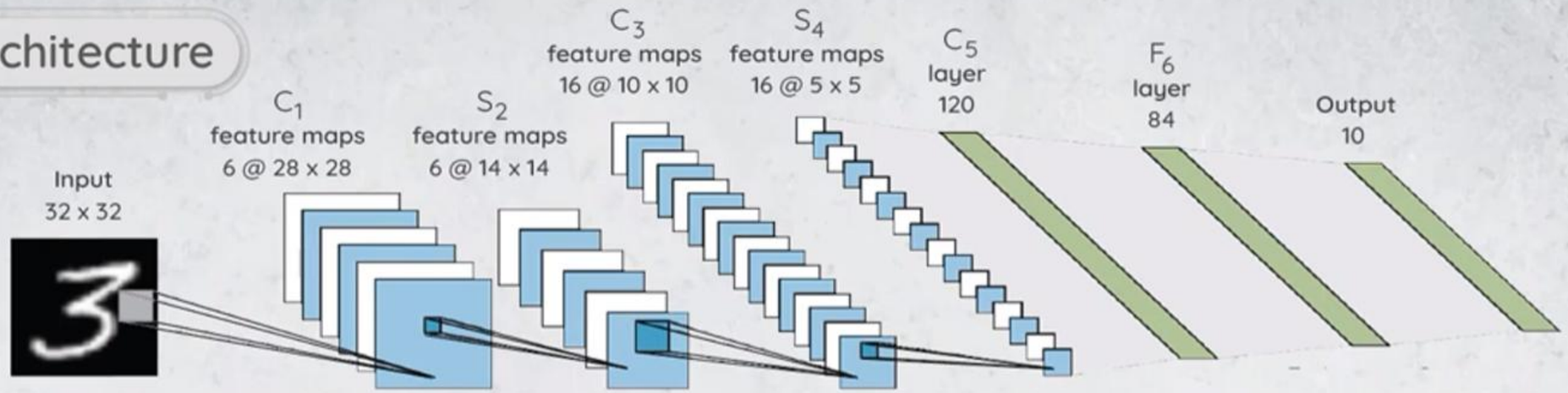
AlexNet Architecture



MOOCA

LeNet-5 Architecture



Layer		Feature Map	Size	Kernel Size	Stride	Activation
Input	Image	1	32x32	-	-	-
1	Convolution	6	28x28	5x5	1	tanh
2	Average Pooling	6	14x14	2x2	2	tanh
3	Convolution	16	10x10	5x5	1	tanh
4	Average Pooling	16	5x5	2x2	2	tanh
5	Convolution	120	1x1	5x5	1	tanh
6	FC	-	84	-	-	tanh
Output	FC	-	10	-	-	softmax

MOOCA

VGG Architecture

Input
224 x 224 x 3

3x3 2D Convolution
224 x 224 x 64

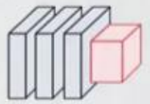
3x3 2D Convolution
224 x 224 x 64

2D Max Pooling
112 x 112 x 64

3x3 2D Convolution
112 x 112 x 128

3x3 2D Convolution
112 x 112 x 128

2D Max Pooling
56 x 56 x 128



3x3 2D Convolution
56 x 56 x 256

3x3 2D Convolution
56 x 56 x 256

3x3 2D Convolution
56 x 56 x 256

2D Max Pooling
28 x 28 x 256

3x3 2D Convolution
28 x 28 x 512

3x3 2D Convolution
28 x 28 x 512

3x3 2D Convolution
28 x 28 x 512

2D Max Pooling
14 x 14 x 512

3x3 2D Convolution
14 x 14 x 512

3x3 2D Convolution
14 x 14 x 512

3x3 2D Convolution
14 x 14 x 512

2D Max Pooling
7 x 7 x 512

Flatten
25088

Dense
4096

Dropout
4096

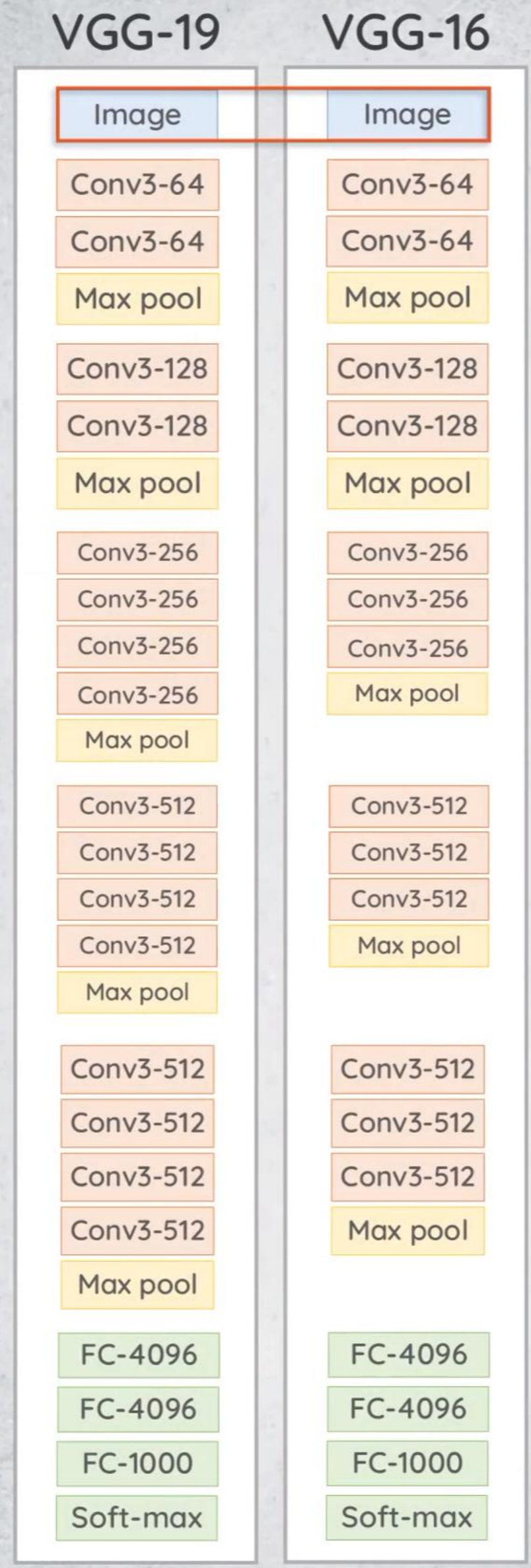
Dense
4096

Dropout
4096

Dense
1000

CAR

Target

MOOCA

VGG-16 vs VGG-19