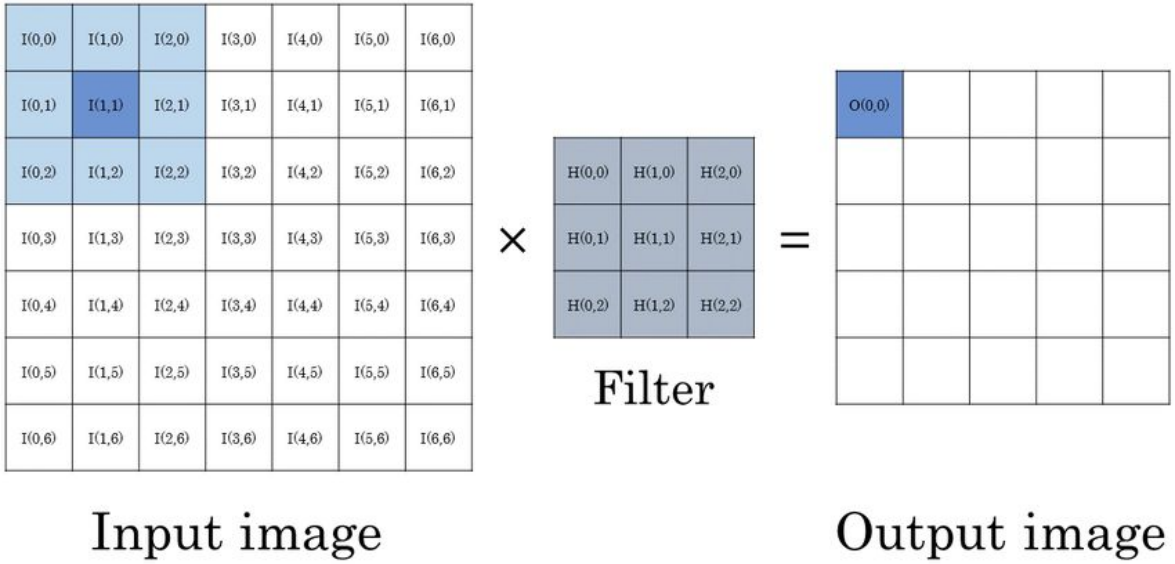
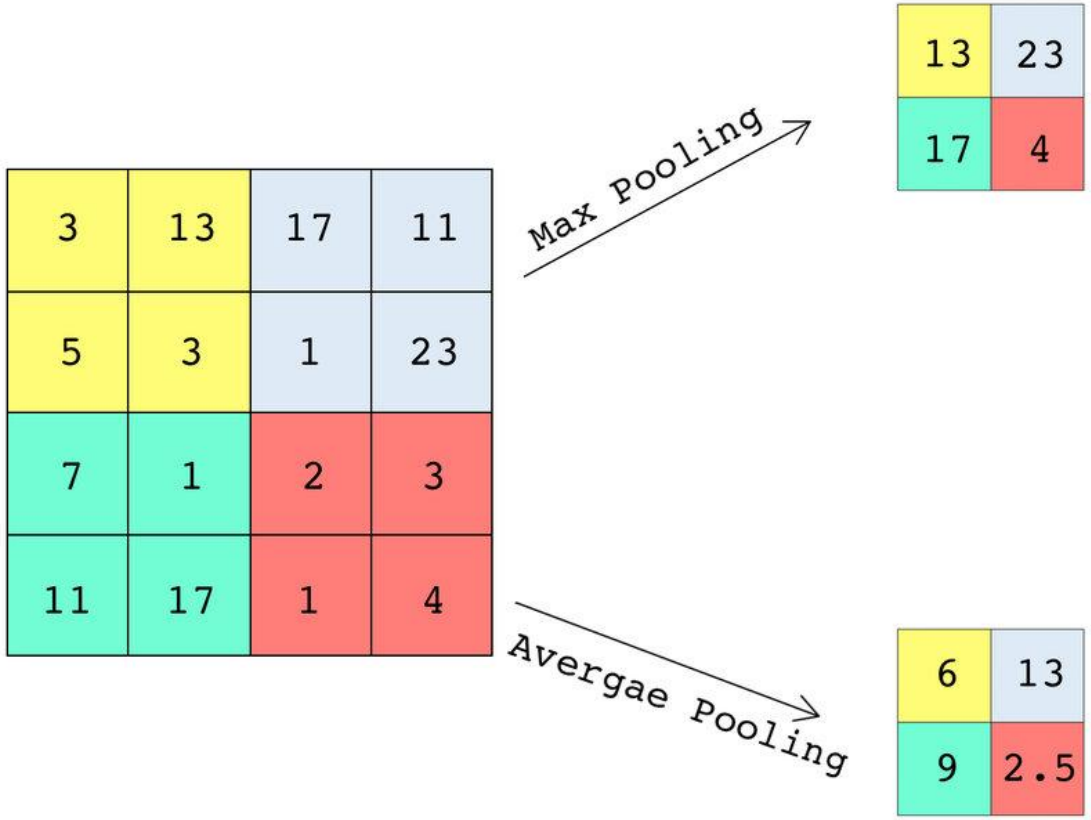
Computer Vision

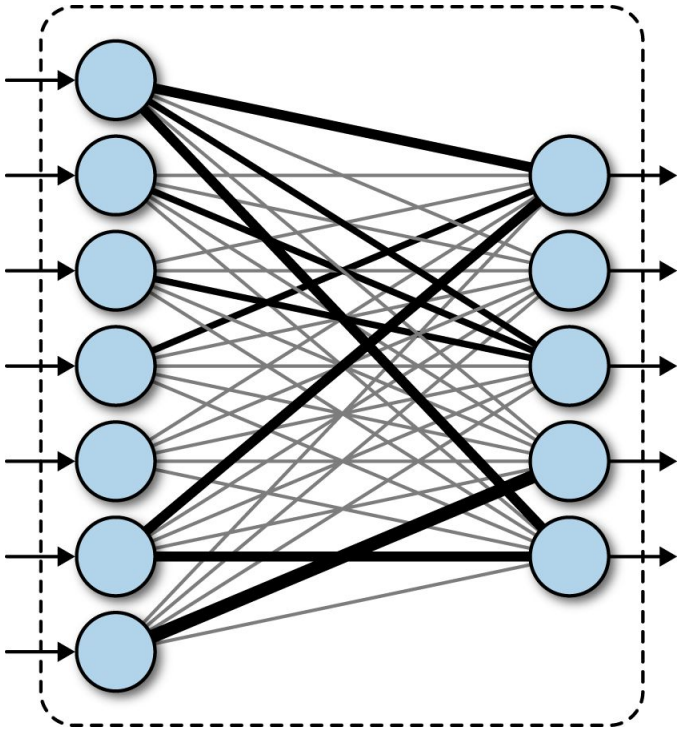
CNN-Convolution



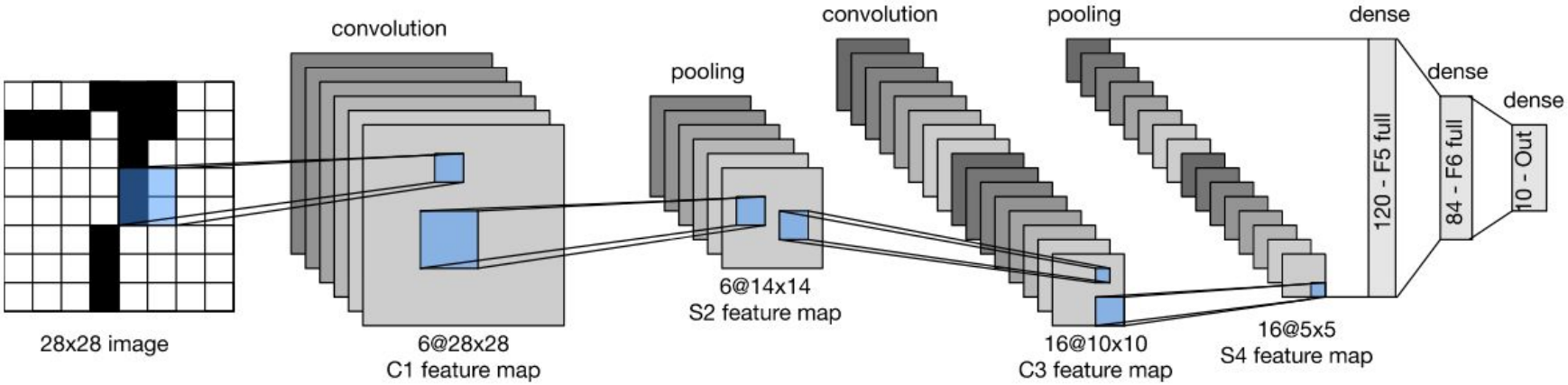
CNN- Pooling


3
13
17
11
5
3
1
23
7
1
2
3
11
17
1
4
Max Pooling
13
23
17
4
Avergae Pooling
6
13
9
2.5

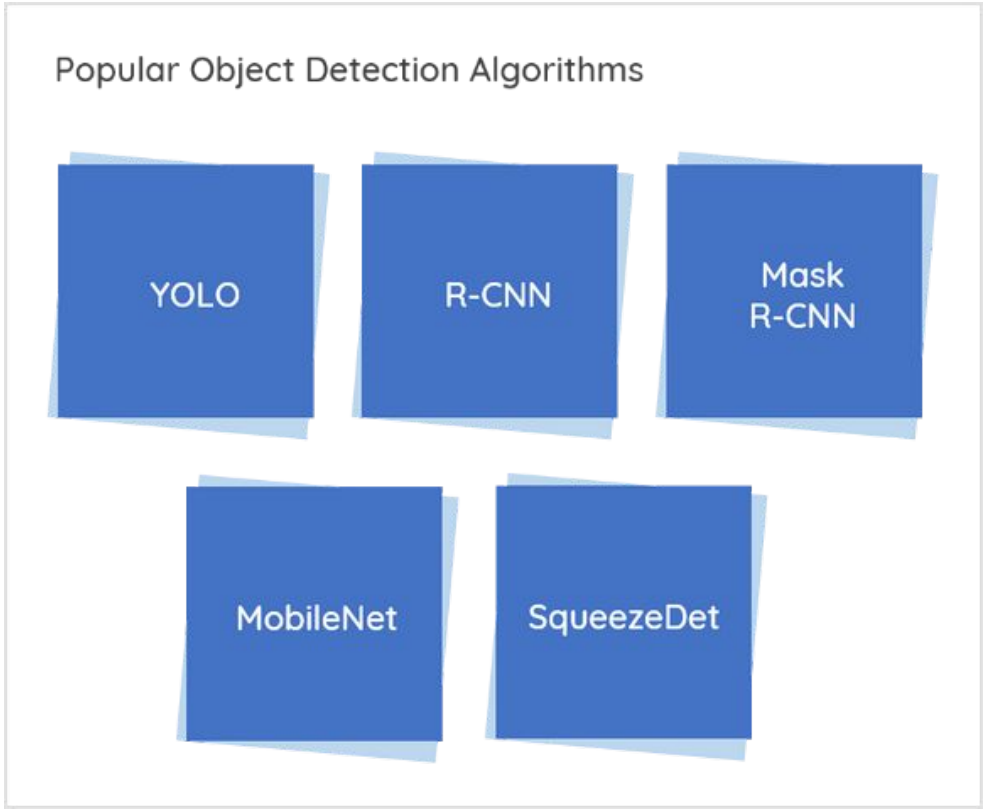
CNN- Fully Connected Layer



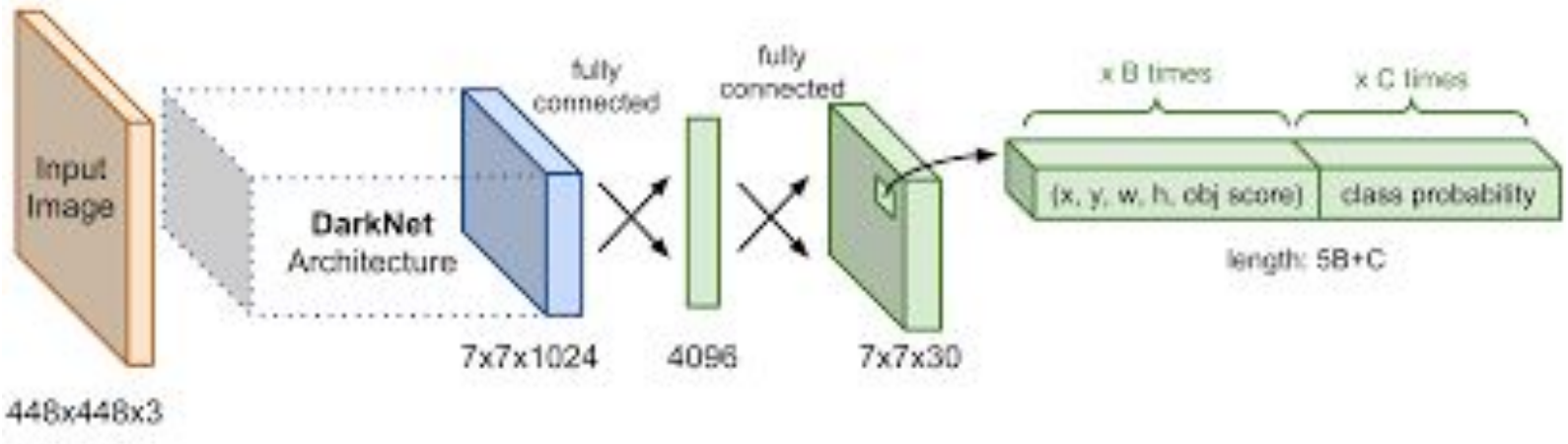
CNN- Lenet5


convolution
pooling
convolution
pooling
dense
dense
dense
120 - F5 full
84 - F6 full
10 - Out
28x28 image
6@28x28
C1 feature map
6@14x14
S2 feature map
16@10x10
C3 feature map
16@5x5
S4 feature map

Vision- Object Detection



YOLO Object detection



Coding

1. for Lenet5 with MNIST
2. YOLO Object detection