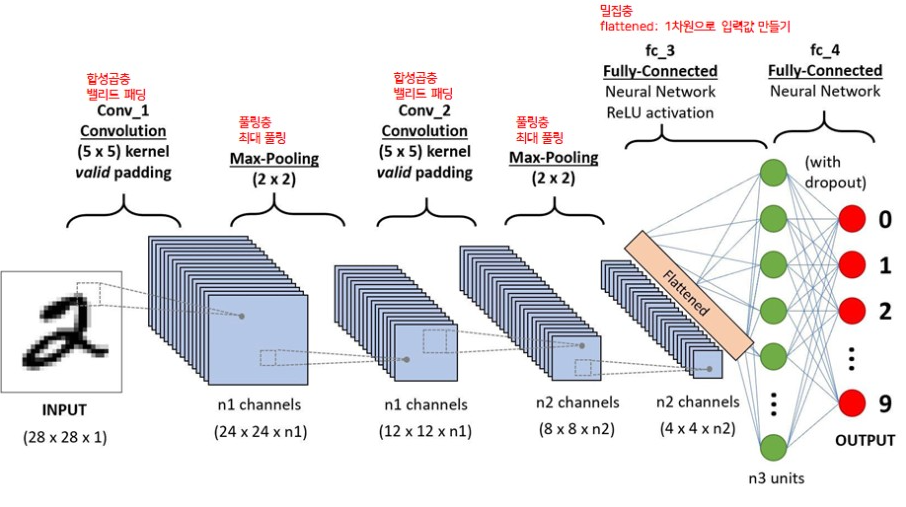
디지털 영상처리 연구실 연구보고서

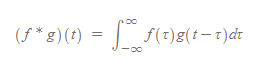
김우헌

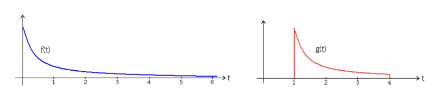
#CNN(convolutional neural network)

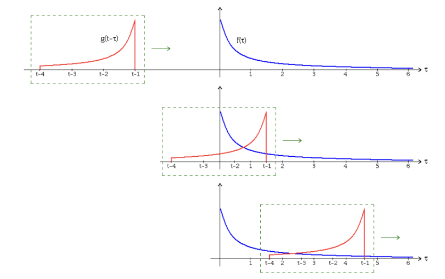


1. 입력층
2. 합성곱층
3. 풀링층
4. 완전연결층
5. 출력층

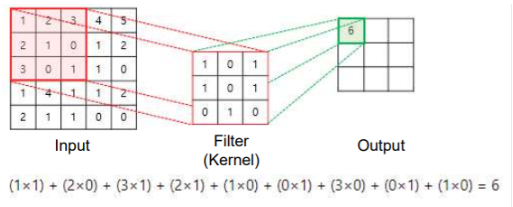
#합성곱연산





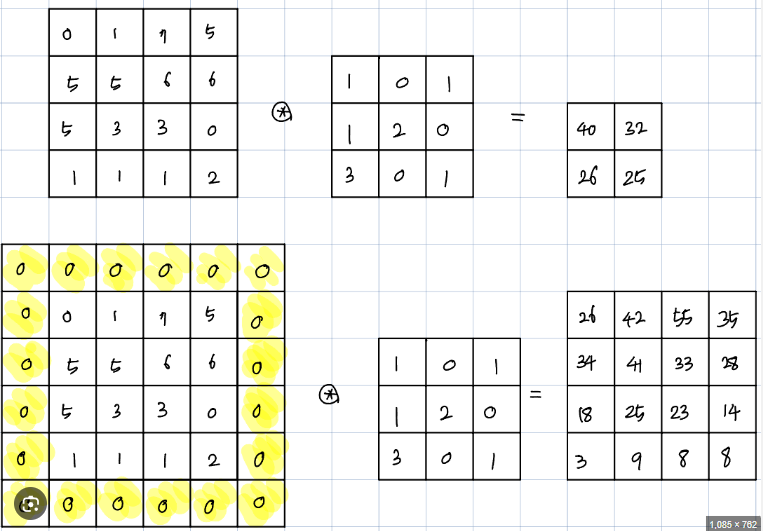


#2차원 배열의 합성곱

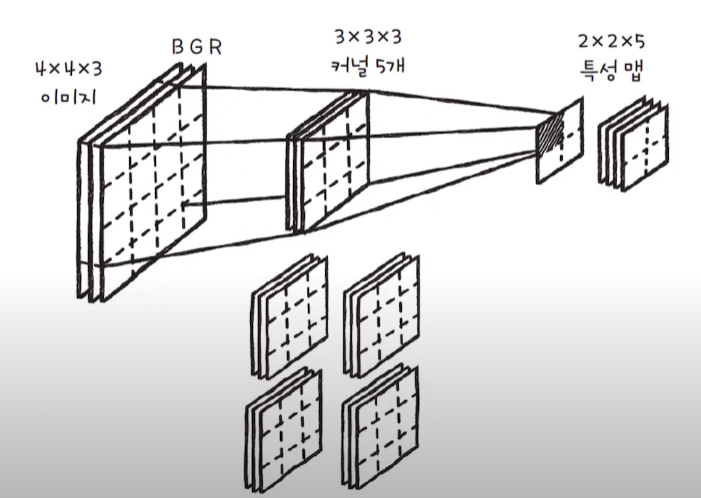


-> 스트라이드?

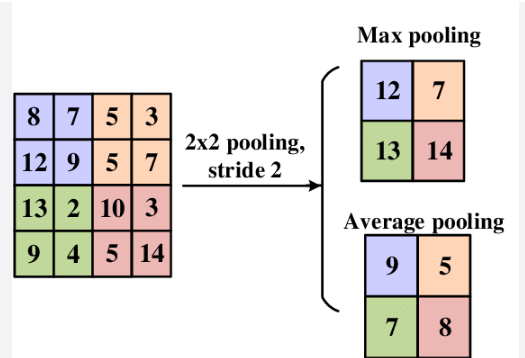
-> 패딩?



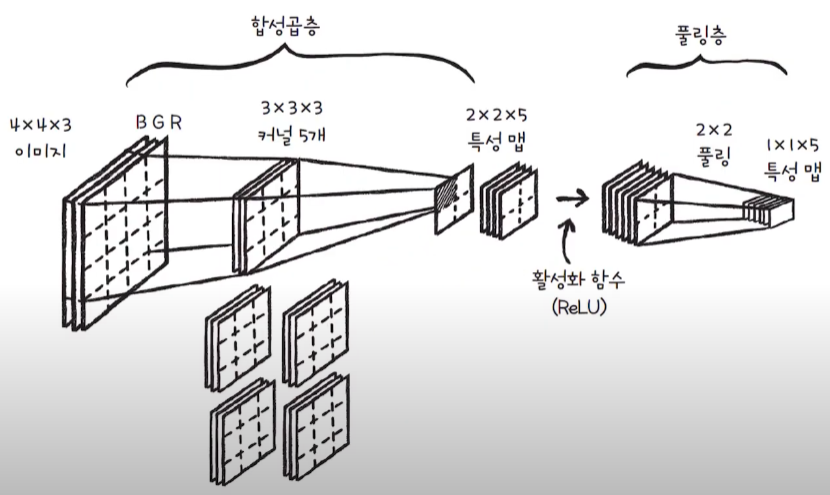
#합성곱층



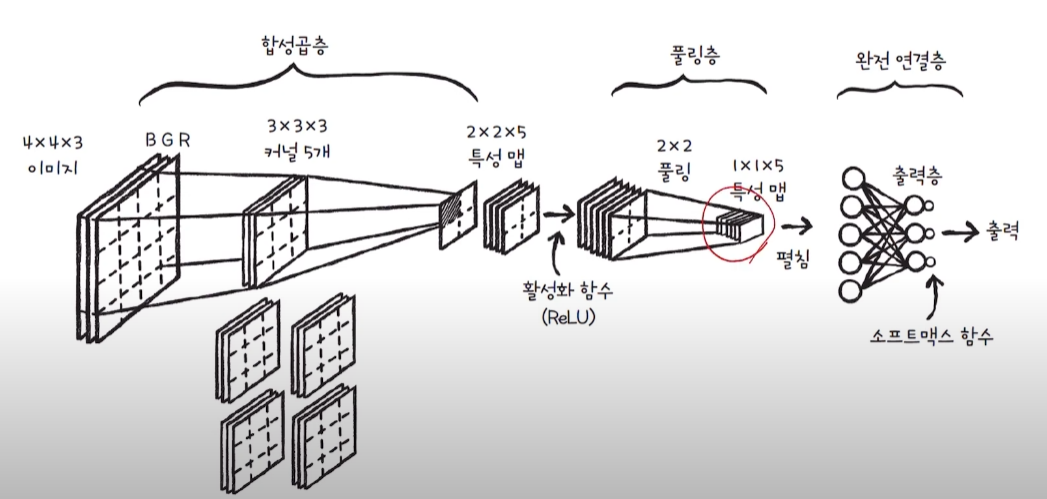
#풀링층



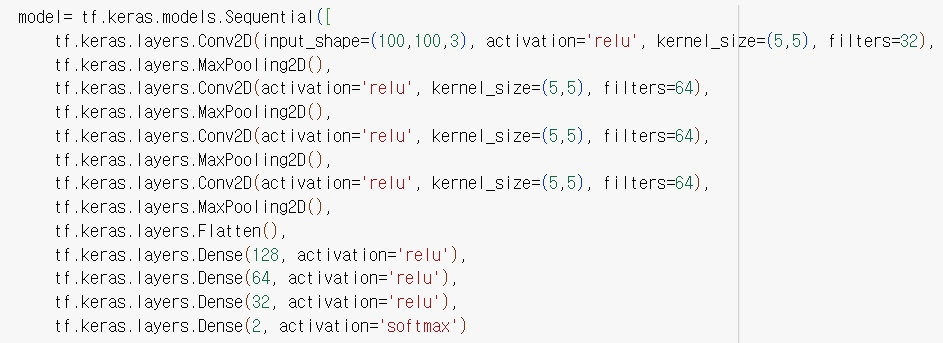
#합성곱층+풀링층

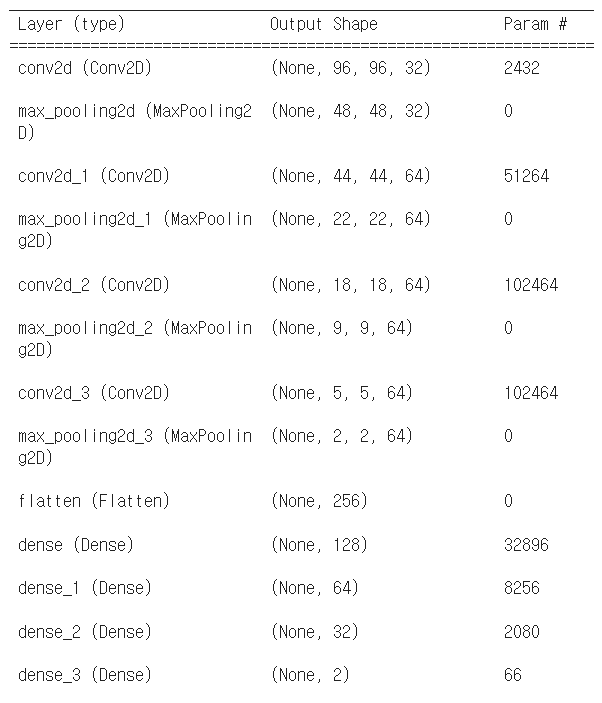


# 합성곱층+풀링층+완전연결층+출력층



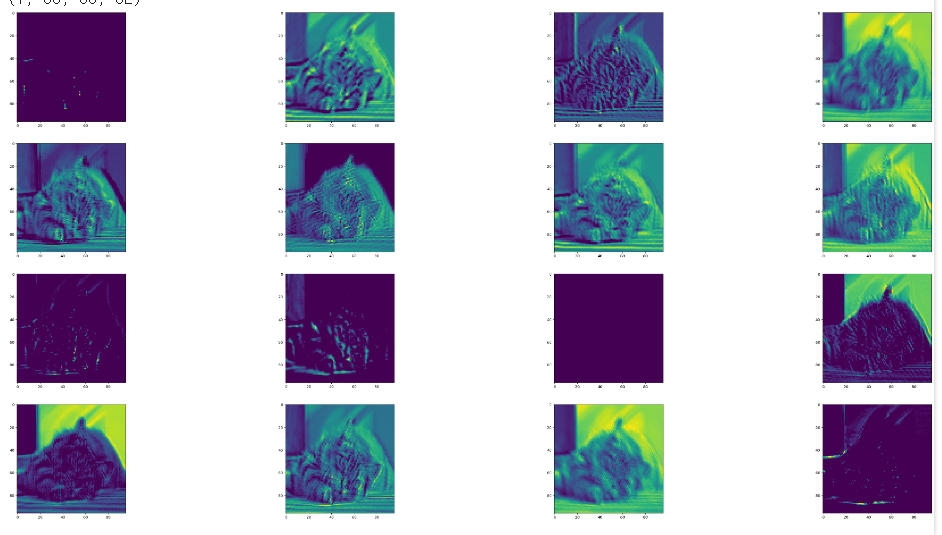
#텐서플로를 통한 cnn모델링

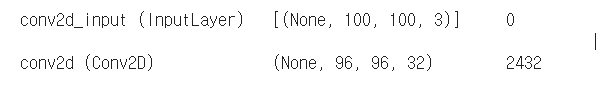




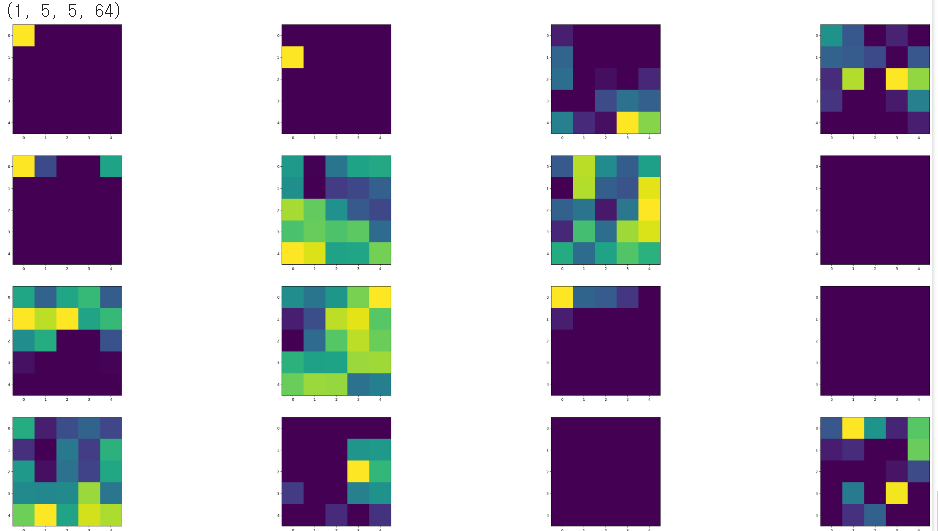
#Feature map







->96\*96의 feature map 32개



->5\*5의 feature map 64개 (6번째 계층)