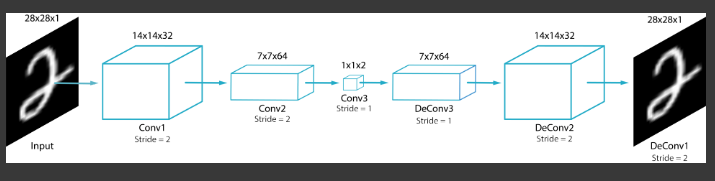
디지털 영상처리 연구실 연구보고서

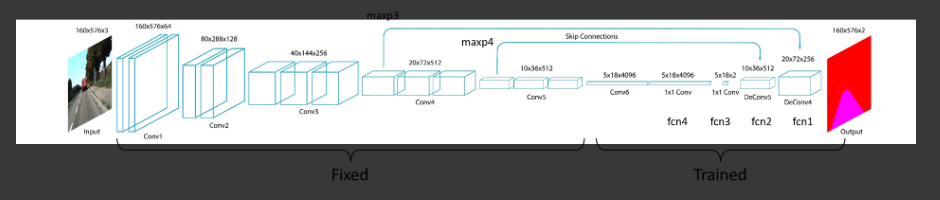
김우헌

#Fully Convolutional Networks (FCN) for Segmentation

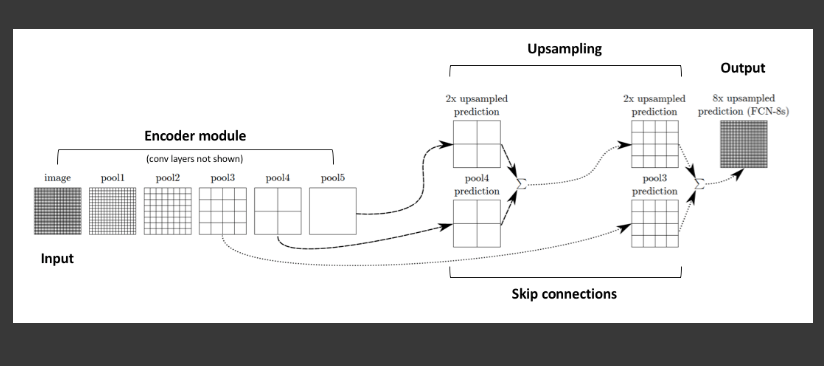
## Convolutional Auto Encoder(CAE)



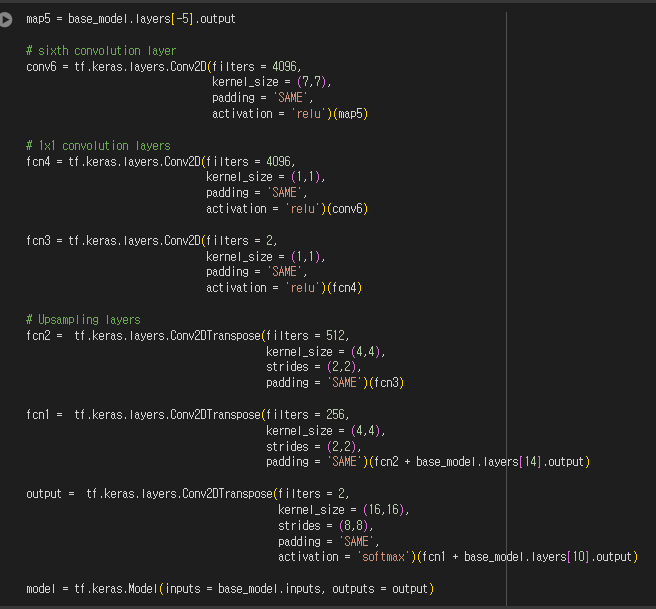
## FCN

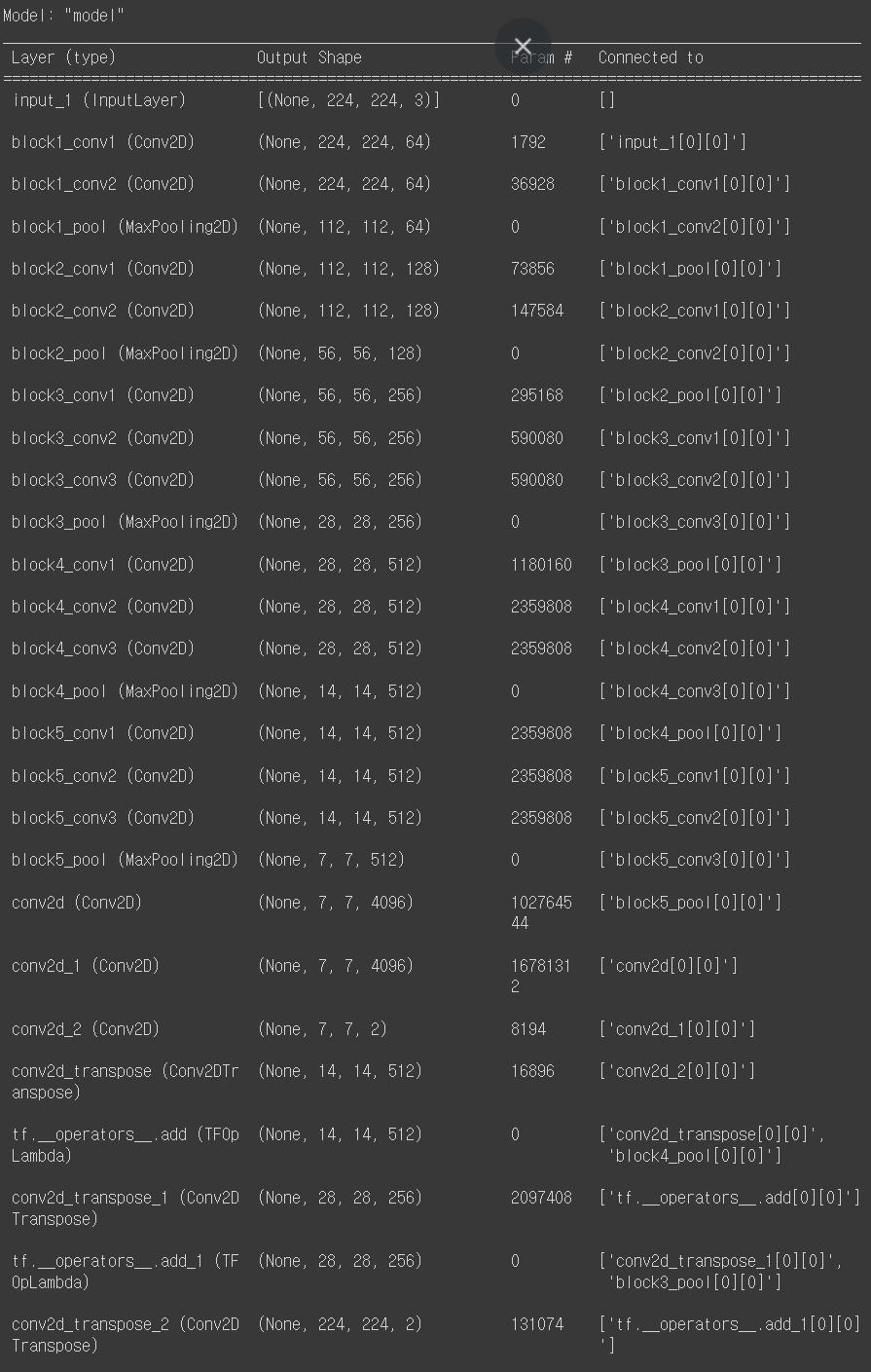


* skip connection

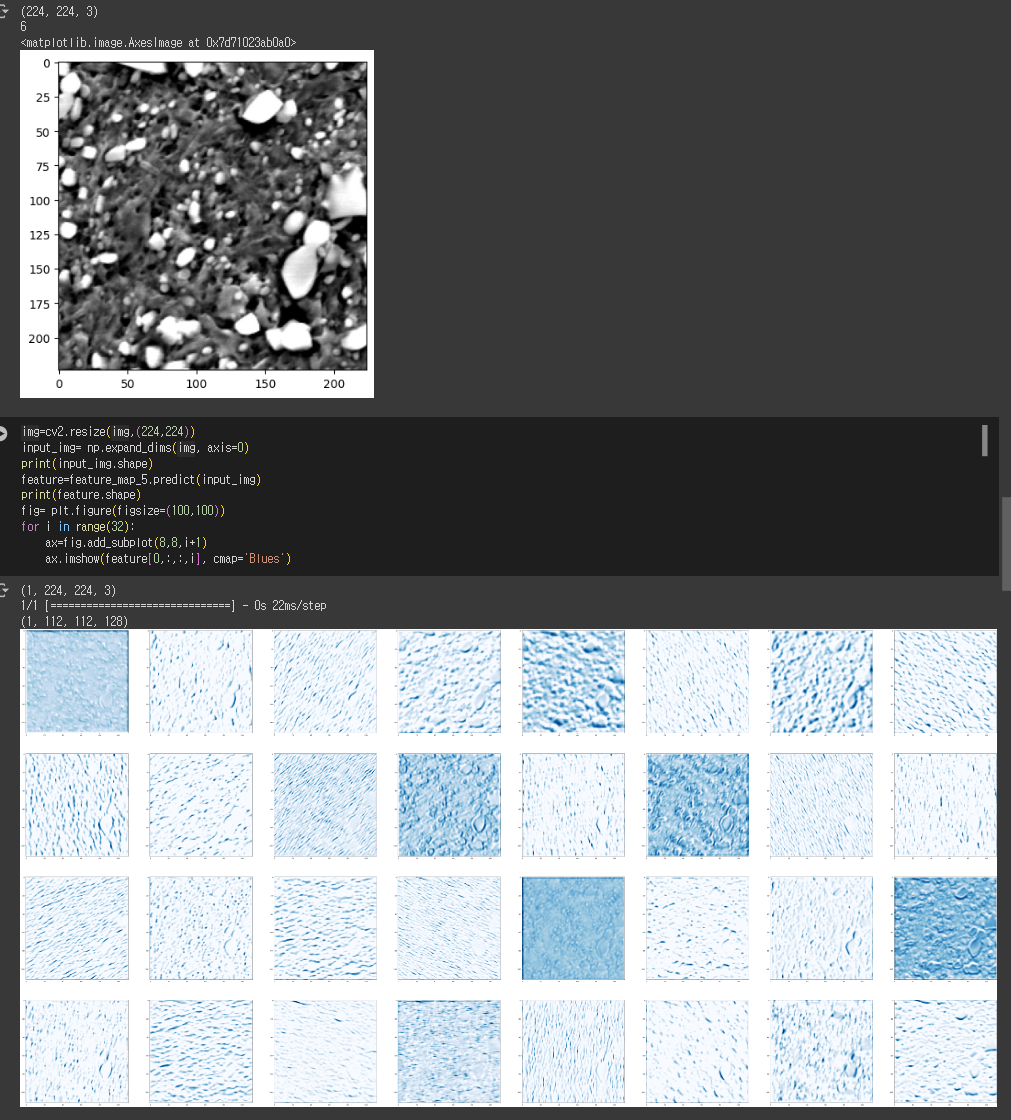


* FCN model 생성

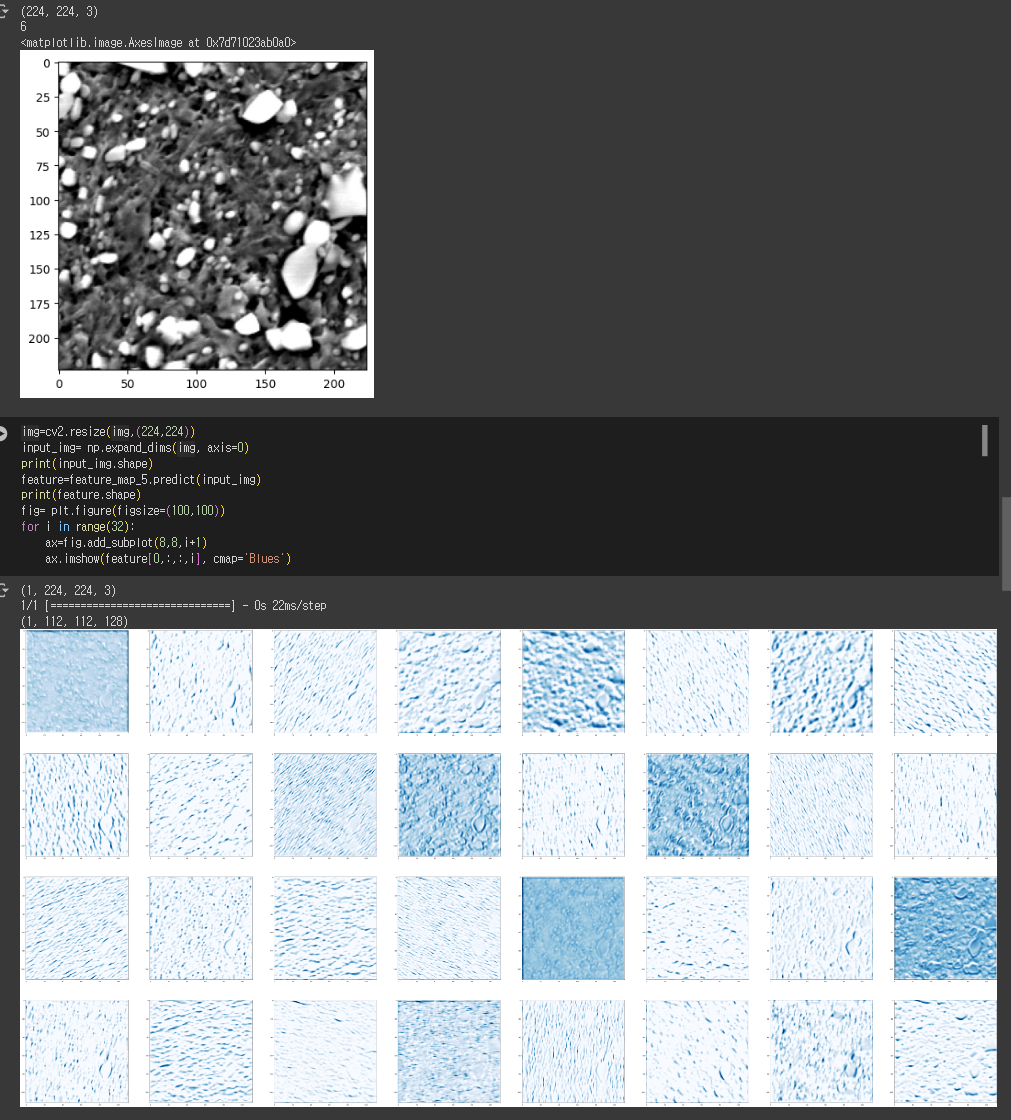




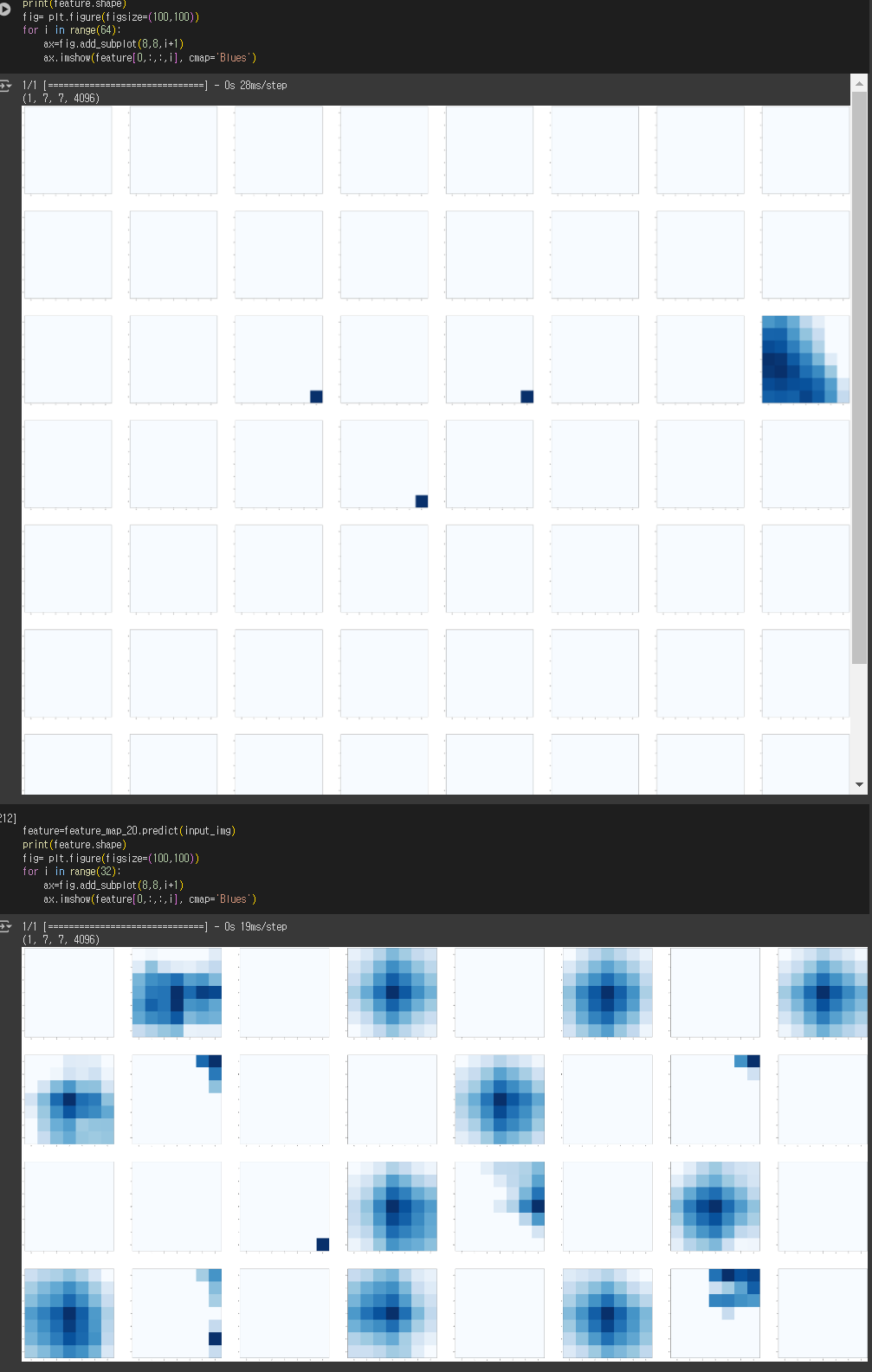
* 데이터 시각화



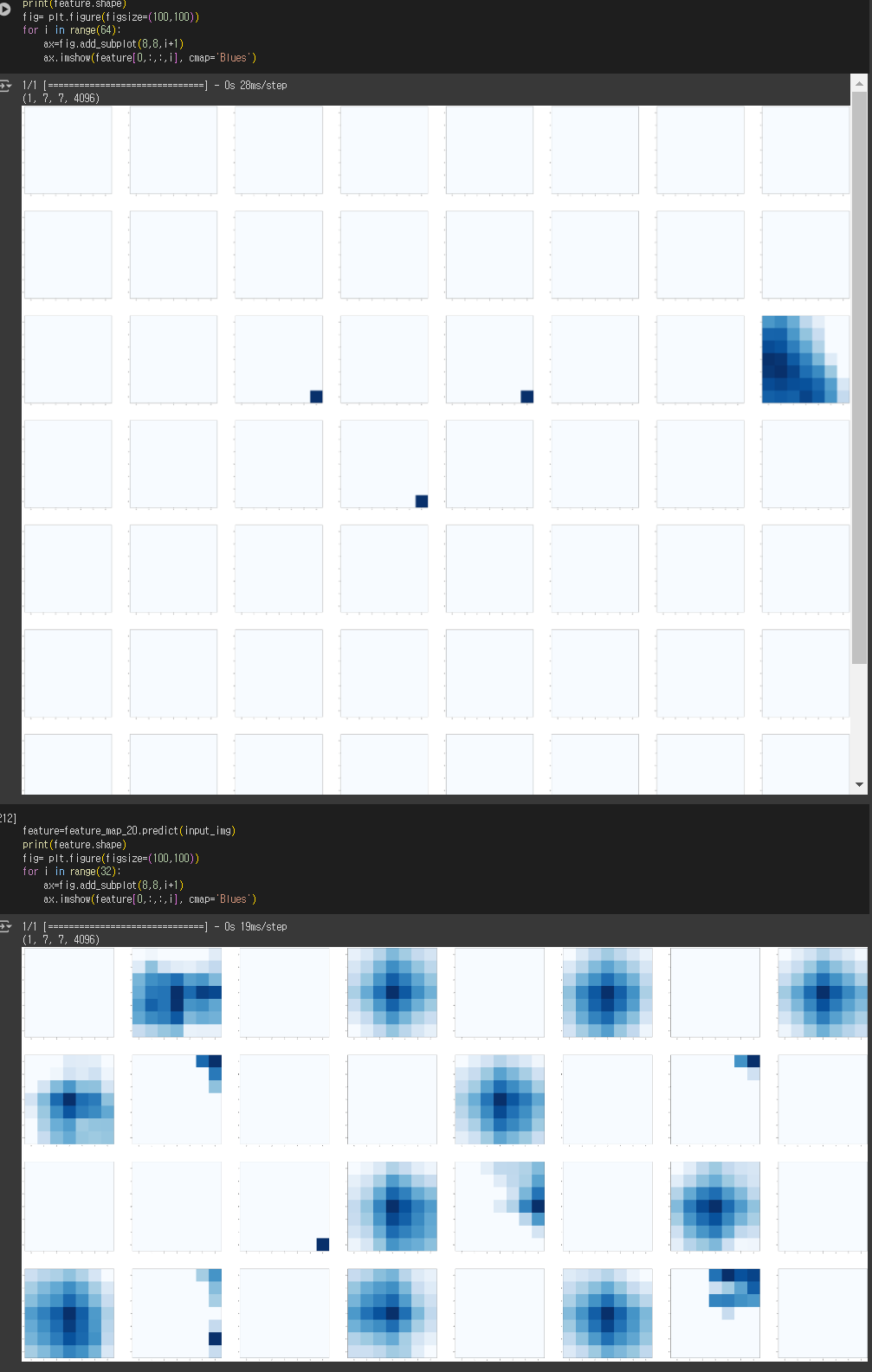
->input



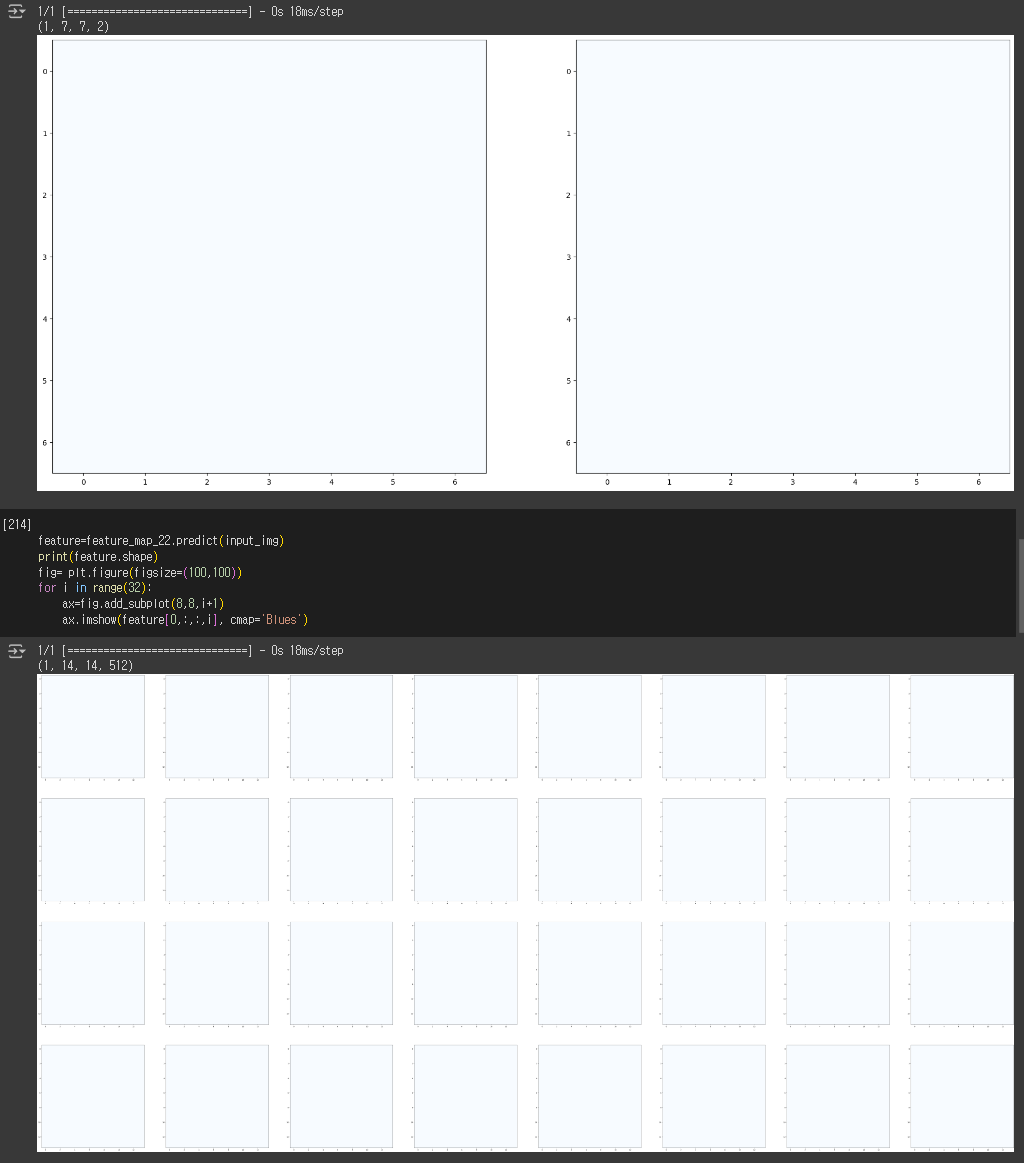
->block2\_conv2 (Conv2D) -> (None, 112, 112, 128)



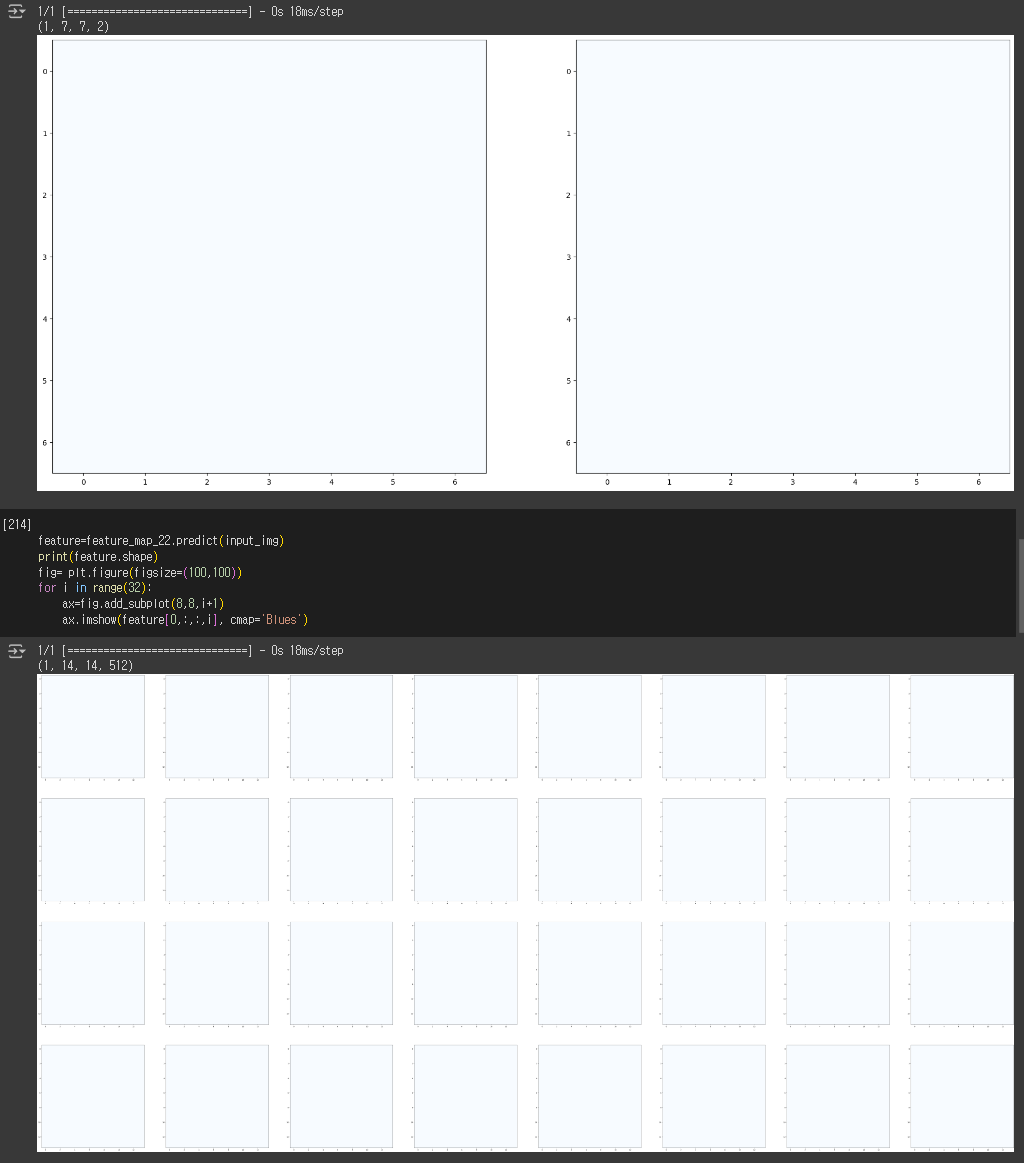
-> conv2d (Conv2D) -> (None, 7, 7, 4096)



-> conv2d\_1 (Conv2D) -> (None, 7, 7, 4096)



-> conv2d\_2 (Conv2D) -> (None, 7, 7, 2)



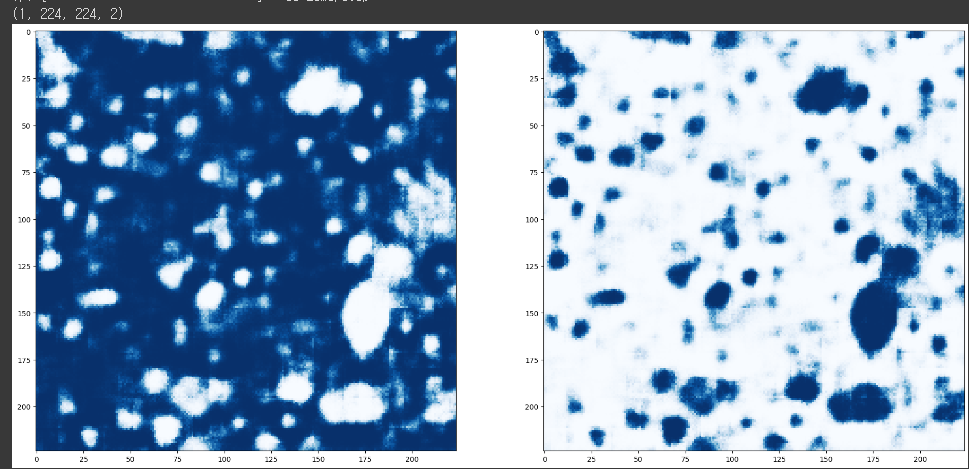
->conv2d\_transpose\_6 (Conv2D Transpose) ->(None, 14, 14, 512)



->tf.\_\_operators\_\_.add (TFOp Lambda) ->(None, 14, 14, 512) + block4\_pool (MaxPooling2D)

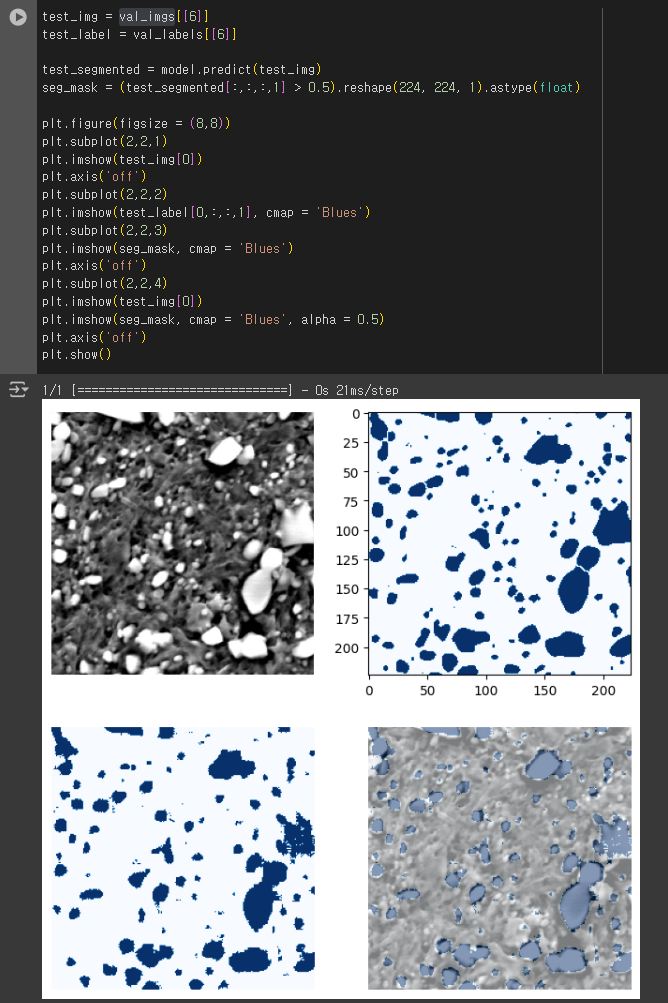


->tf.\_\_operators\_\_.add\_1 (TF OpLambda) -> (None, 28, 28, 256)+ block3\_pool (MaxPooling2D)

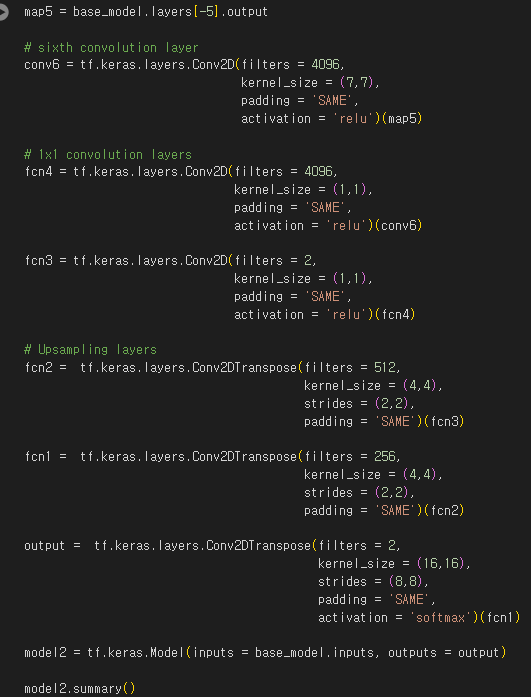


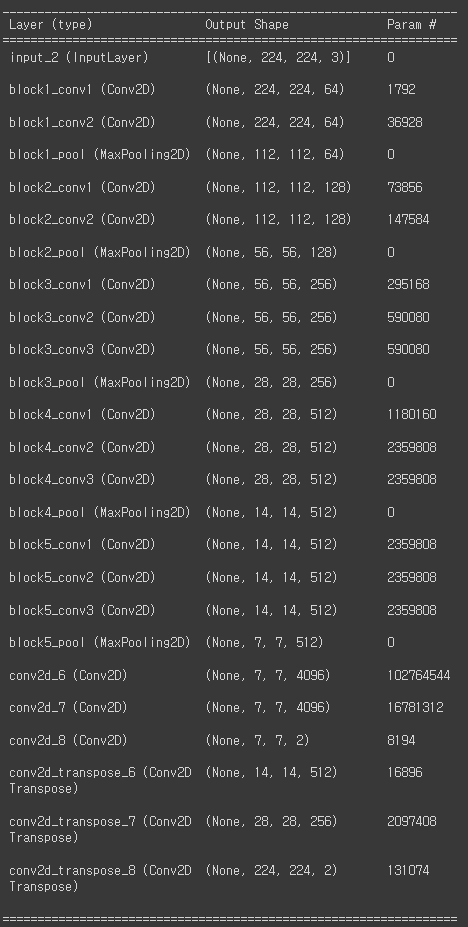
->conv2d\_transpose\_2 (Conv2D Transpose) ->(None, 224, 224, 2)

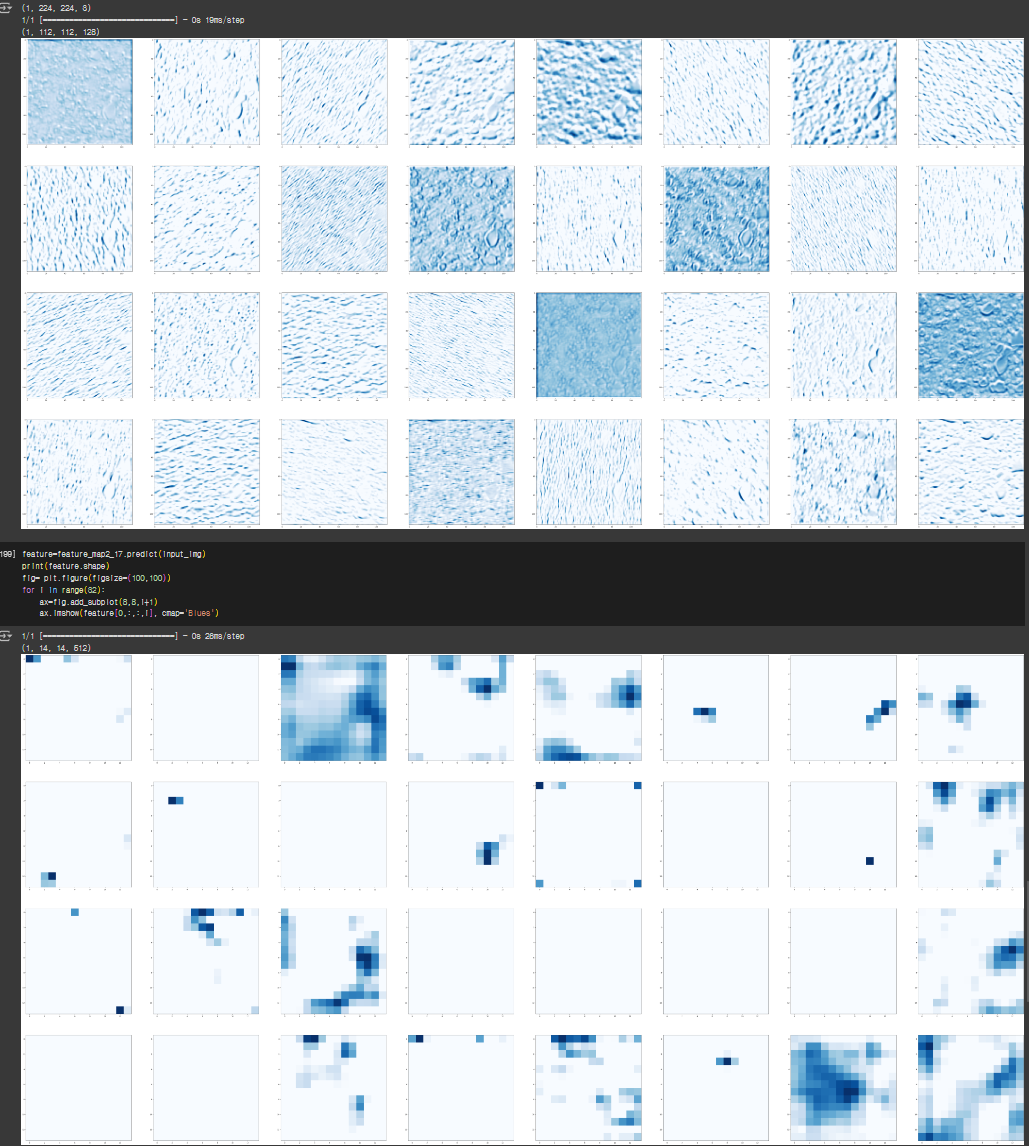
* result

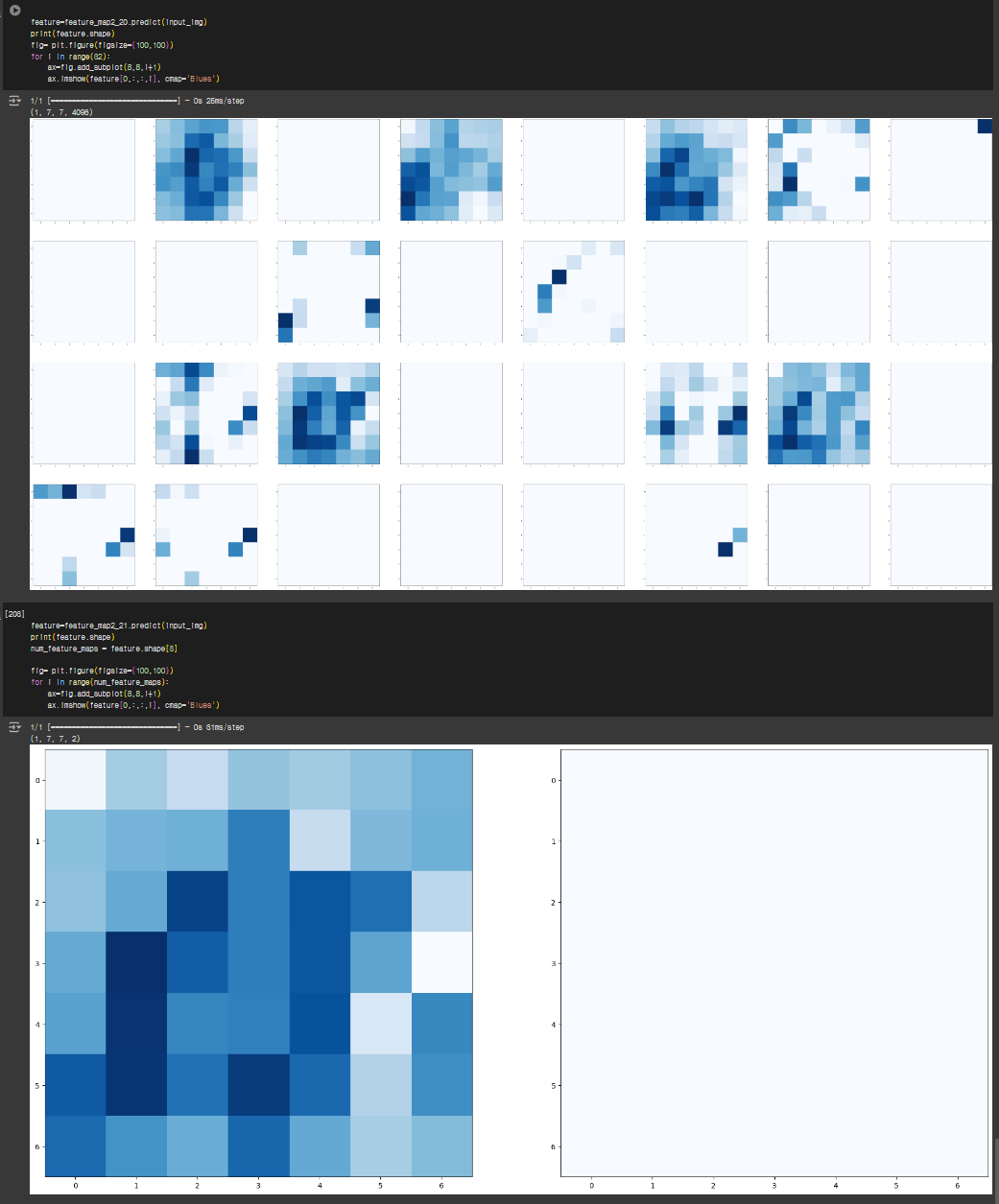


##skip connection 제거?

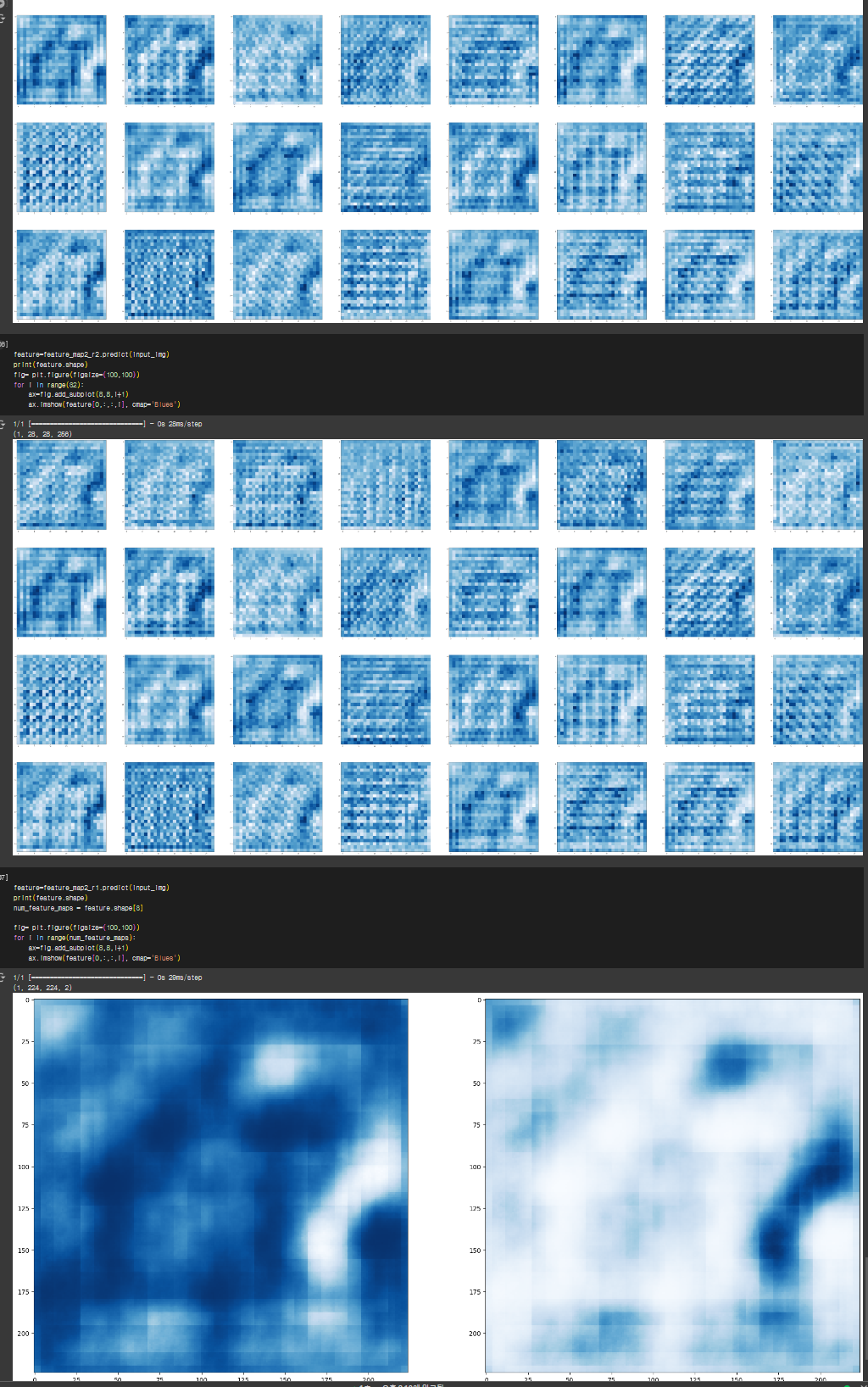




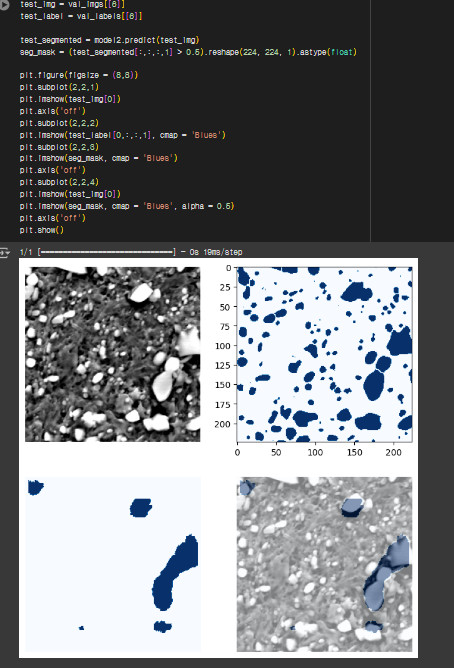




->encoder 부분



* skip connection제거 result



#U-NET

