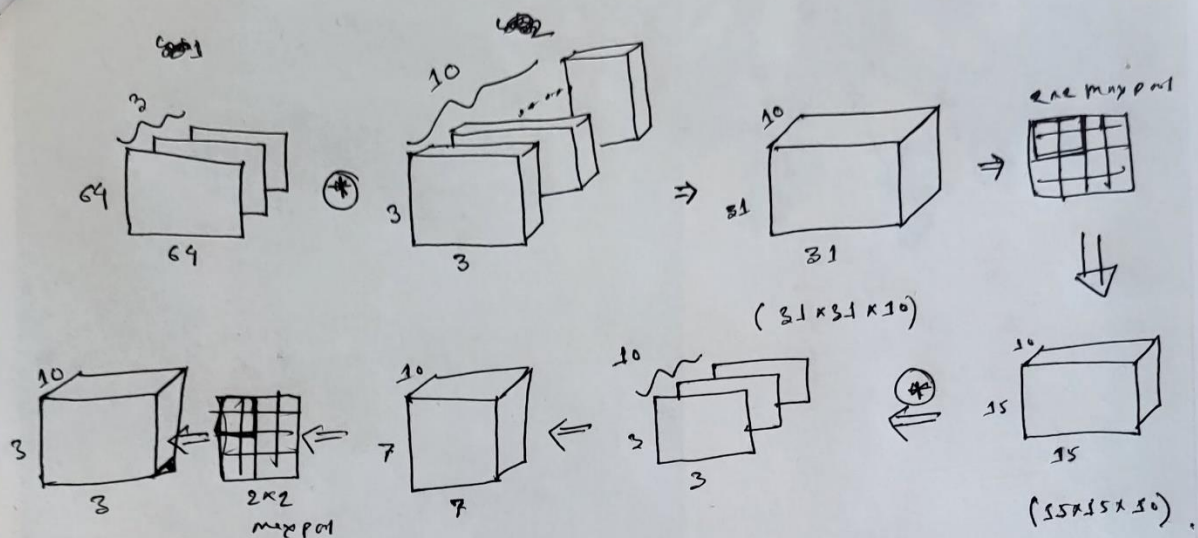


Exercise 3



output

$$(90 \times 2) + 2 = 180 + 2 = 182$$

total no. of weights.

input = 0

$$1^{st} \text{ conv } 2D = 280 \quad (50 \times 3 \times 3 \times 3 + 50)$$

$$\text{max pooling } 1 = 0$$

$$2^{nd} \text{ conv } 2D = 910 \quad \therefore \text{total weights}$$

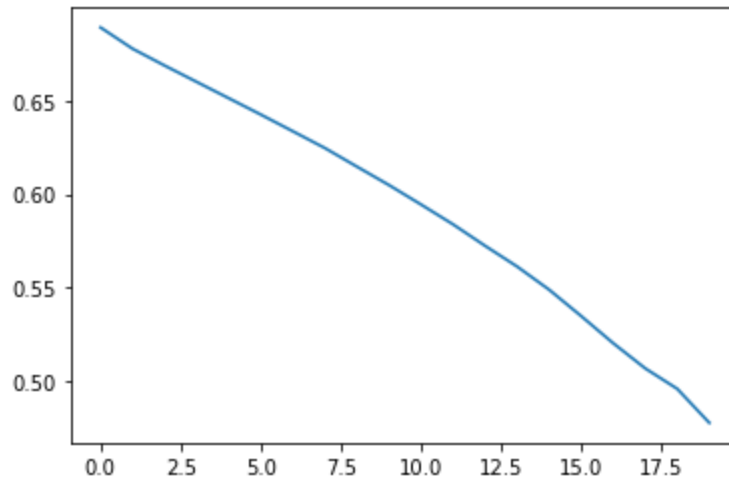
$$\text{max pooling } 2 = 0$$

$$\text{flatten} = 0$$

$$\text{dense (output)} = 182$$

$$= 280 + 910 + 182$$

$$= 132$$



5/5 [=====] - 1s 11ms/step - loss:
0.4714 - accuracy: 0.8409
Test loss, Test accuracy : [0.4714490473270416,
0.8409090638160706]

Test Accuracy = 84%