Exercice 1

a)

13-202-1312 S= stride P= padding

2 1 -1

2

S=1 P=0: 74-630015, with bias -> 56-45227

S=2 P=0: 7-605, with bios -> 9-427

S=4 P=0: 711 with bios -> 83

S=1 P=1: -2741-63001514 with 5100 -> 0861-415 22176

S=4 P=1: -234 with bias -> 01516

- b) · Activation maps (= output image) = 3.3.2 = 18
 - · S=1 P=0 : output shape 2x2
 - · S=2 P=0: output shape 1x1

 - · Keep same size: P=1 S=1 Filter: 3x3

 · S=1 P=0 outputs is in the notebook file name: exercice1B.ipunb