G27 Ex 1a: 1D convolution										
Input		2	-1	3	0	2	-1	2	1	2
Filter	weight	2	1	-2						
	bias	2								
Output	S1 P0		-1	3	4	6	1	0	3	
	S2 P0		-1		4		1		3	
	S4 P0		-1				1			
	S1 P1	6	-1	3	4	6	1	0	3	6
	S4 P1	6				6				6

For S1 and P1 we get the same dimension

1

Ex 1b: 2D convolution

		Filter1 2x2x3	Filter2 2x2x3

input

R		1	2	0	2
		0	1	1	2
		1	2	0	2
		0	1	1	0

R	1	1		0	1
	0	0		1	0
G	0	-1		1	0
	0	-1		1	0

G		1	0	2	1
		0	2	1	2
		1	0	2	0
		2	1	0	2

B	1	0		-1	0
	0	1		0	1
bias	-1			bias	1

Result Filter 1

B		1	2	0	1
		0	1	1	1
		2	0	1	2
		0	2	0	1

2	1	-1
-2	0	3
5	-1	1

Ex 1b:

Result Filter 2

4	3	8
4	6	7
6	3	6

- 2 activations maps will be obtained
- Output dimension will be 3x3
- Output dimension will be 2x2
- With S1 and P1