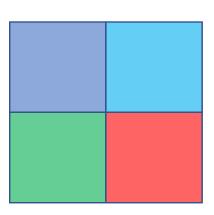


# Convolutional Neural Networks

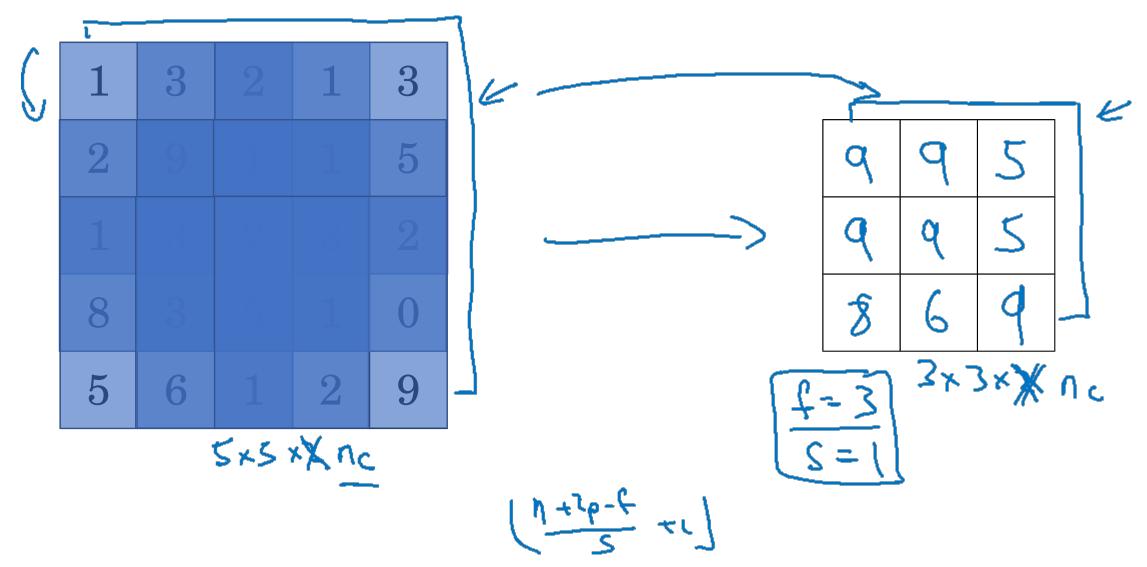
Pooling layers

## Pooling layer: Max pooling

1	3	2	1	
2	9	1	1	
1	3	2	3	
5	6	1	2	



## Pooling layer: Max pooling



## Pooling layer: Average pooling

1	3	2	1					
2	9	1	1				3.45	1.25
1	4	2	3	_	<b></b>		4	7
5	6	1	2			Λ.	•	
						f=2		
						7=5		
			7+7+ (000 -> 1x1+1000					

# Summary of pooling

### Hyperparameters:

f : filter size s : stride

Max or average pooling

No parameters to learn.