

CNN

(1) Input Image

- steps
 - kernel
 - pooling
 - flattening
- stride
 - If required we going to use → padding

3	3	2	1	0
0	0	1	3	1
3	1	2	2	3
2	0	0	2	2
2	0	0	0	1

5x5 Input Image

stride = 1
stride = 2
stride = 3
...

stride = 1

0	1	2
2	2	0
0	1	2

Kernel / filter
3x3

12	12	17
10	17	19
9	6	14

3x3
Feature Map

Max pooling
Avg pooling
Stride = 1

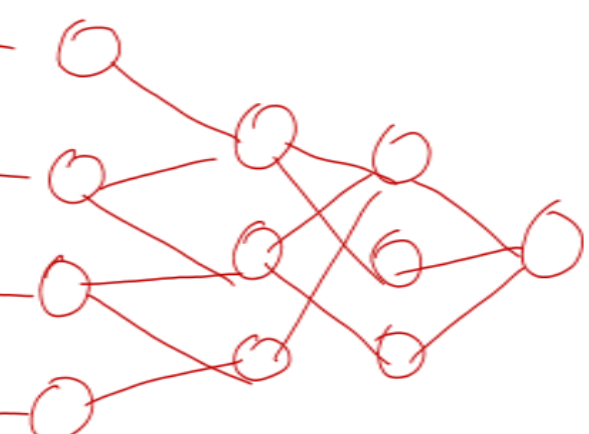
17	19
17	19

12.7	16.2
10.5	14

Pooling
2x2

17
19
17
19

flattening



Feature Extraction

