

Pooling

How Pooling Works?

5	4	4	7
7	6	6	10
9	5	6	8
7	6	1	5

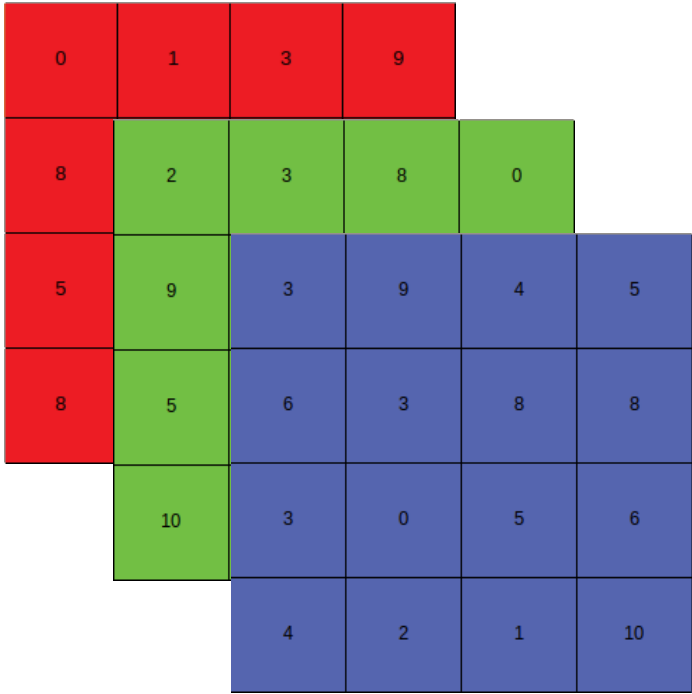
2-D Input Image



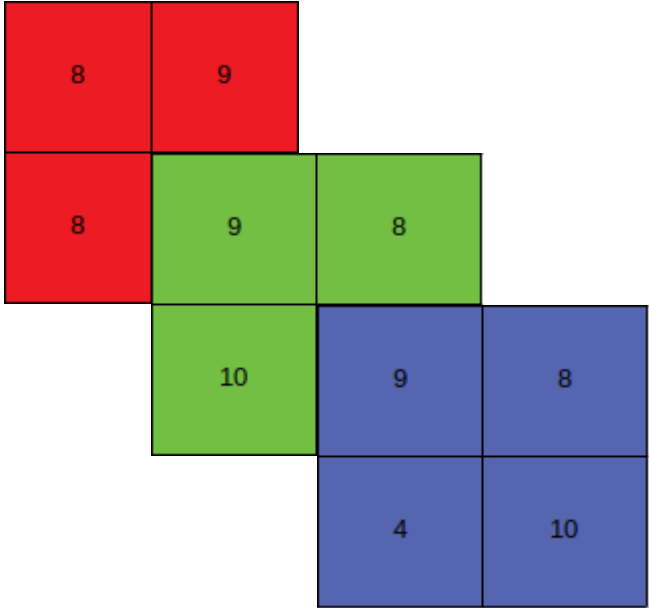
7	10
9	8

2-D Output Image

How Pooling Works?



3-D Input Image



3-D Output Image

Different types of Pooling

2	3	8	0
9	8	3	1
5	9	3	9
10	6	1	4



9	8
10	9

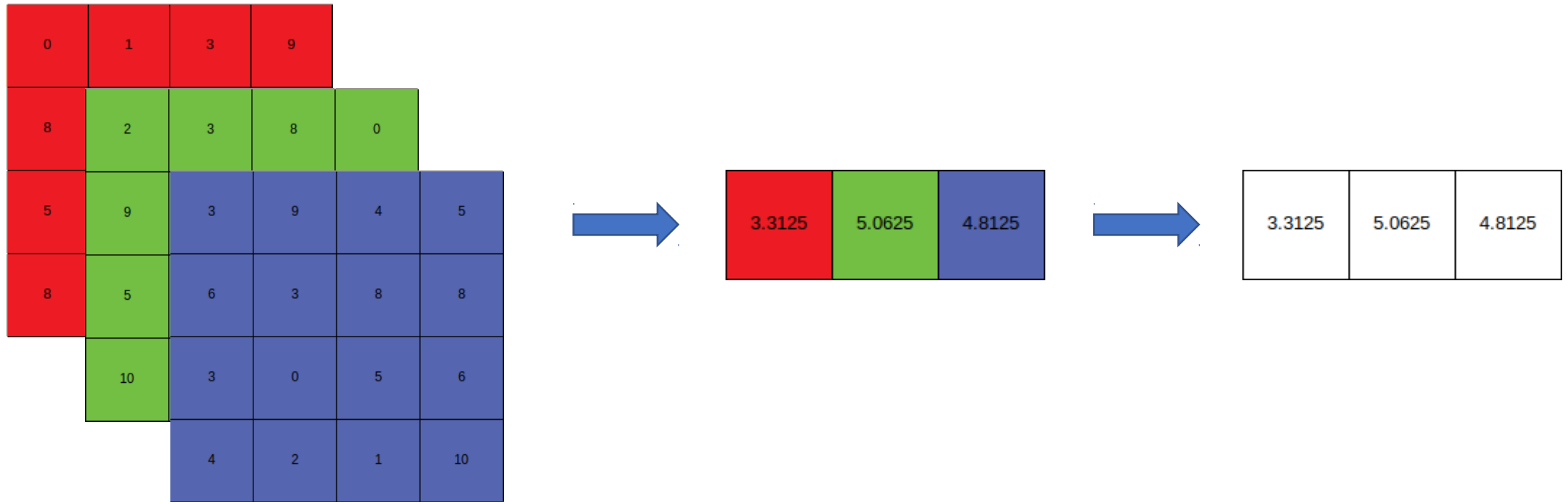
Max Pooling



5.5	3
7.5	4.25

Average Pooling

Special type of Pooling

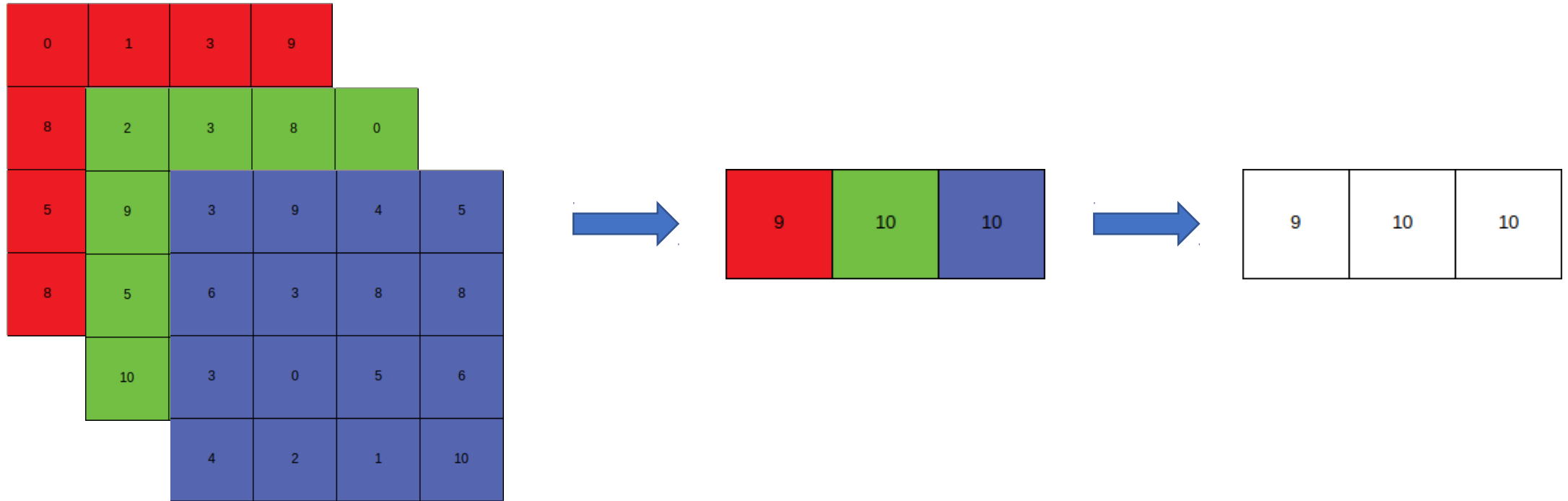


3-D Input Image

1-D Output

GlobalAveragePooling2D

Special type of Pooling



GlobalMaxPooling2D

Thank You