

Input

1	2	2	3
3	2	3	2
4	1	3	2
4	3	5	1

Flattened inputs

5	1	2	7
4	0	4	2
1	0	8	9
3	3	0	1

Flattened inputs

3	1	3	3
3	2	4	6
4	7	8	9
3	8	6	1

1	2	2	3
3	2	3	2
4	1	3	2
4	3	5	1

1	0	1
0	1	0
1	0	1

0	0	1
0	1	0
1	0	0

1	0	0
0	1	0
0	0	1

12	11
16	11

9	14
14	22

13	14
4	9

34	39
34	42

Output

Convolution kernels

Flattened outputs