Array 1

0	1	2	3	4	5	6	7	8	9	10	11	12
1	1	3	0	2	4	1	1	4	3	2	1	5

count array

0	1	2	3	4	5	6
1	5	2	2	2	1	0

Array 1

0	1	2	3	4	5	6	7	8	9	10	11	12
1	1	3	0	2	4	1	1	4	3	2	1	5

prefix sum array

0	1	2	3	4	5	6	7	8	9	10	11	12
1	2	5	5	7	11	12	13	17	20	22	23	28

prefix sum for 1

0	1	2	3	4	5	6	7	8	9	10	11	12
1	2	2	2	2	2	3	4	4	4	4	5	5

2d Array

1	1	0	2	1
0	1	2	1	3
6	2	1	5	2
2	3	0	0	1
1	0	3	2	0

prefix on row

1	2	2	4	5
0	1	3	4	7
6	8	9	14	16
2	5	5	5	6
1	1	4	6	6

prefix on col

1	2	2	4	5
1	3	5	8	12
7	11	14	22	28
9	16	19	27	34
10	17	23	33	40