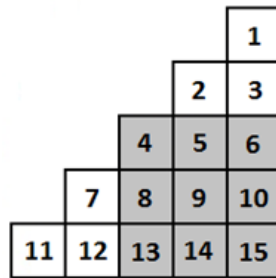
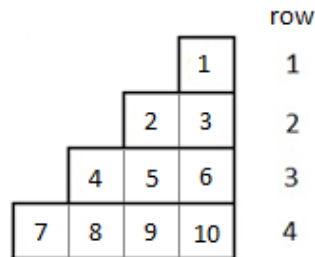


Time Limit: 1 s



Input	Output
6	Case #1: 1
1	Case #2: 5
2	Case #3: 16
3	Case #4: 42
4	Case #5: 84
5	Case #6: 3612
14	