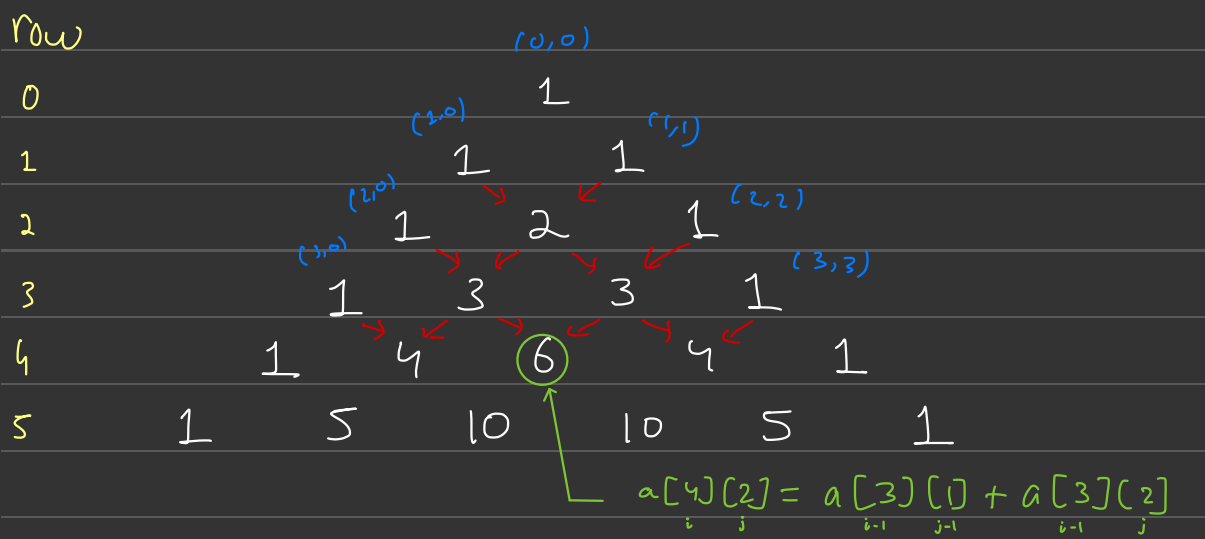

Suppose, above triangle is a matrix, then for any i^{th} row, the 1^{st} elem & i^{th} elem = 1

$$matrix[i][0] = matrix[i][i] = 1$$

and any other element is

$$matrix[i][j] = matrix[i-1][j-1] + matrix[i-1][j]$$

Note: for every iteration, resize the row vector.

```
matrix[i].resize(i+1)
```

T.C → $O(n^2)$, SC → $O(n^2)$