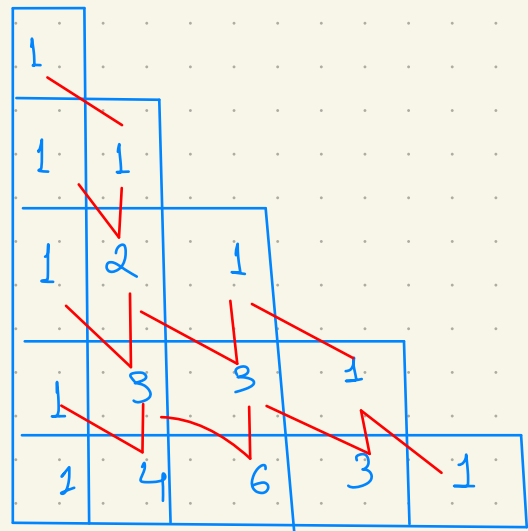
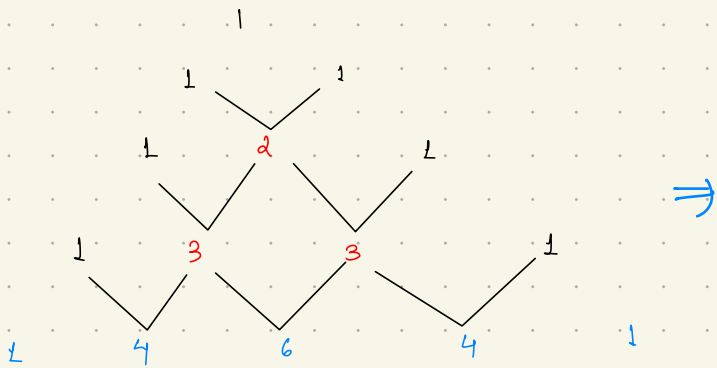


# Pascal triangle

\* Return the pascal triangle

To generate the pascal triangle we've to calculate and store at the same time



for all the first index in row  $= 0$  the value will be 1  
and the last row  $- 1 = 1$

Base case : When the col  $= 0$  return 1

pseudo code

```
fun (int n) {
```

```
    pt[n][n] = {1};
```

```
    for (i = 0 to n-1; i++) {
```

```
        temp[i] = 1;
```

```
        for (j = 1; j < i; j++)
```

```
            temp[j] = pt[i-1][j] + pt[i-1][j-1]
```

```
        }
```

```
        pt[i][i] = temp;
```

```
    }
```