1. Recursion

Re_combination(n, r)

```
If n ==0 then
        Return 0
If n == r or r == 0 then
        Return 1
Return Re_combination(n-1, r-1) + Re_combination(n-1, r)
```

2. Dynamic programming

Dp_combination(n, r)

```
Let com[0..n+1][0..r+1] be a new array
For i = 0 to n
        For j = 0 to r
                If i == j then
                        Com[i][j] = 1
                Else if j == 0 then
                        Com[i][j] = 1
                Else if i == 0 then
                        Com[i][j] = 0
                Else com[i][j] = com[i-1][j-1] + com[i-1][j]
Return com[n][r]
```