Easy Dynamic Programming

# **Print first n Fibonacci Numbers**

* If n = 0 then 0, if n = 1 then 1.
* Recursive Equation: F(n) = F(n-1) + F(n-2)

class Solution {

public:

vector<long long> printFibb(int n) {

vector<long long> dp(n,1);

if(n <= 2) return dp;

for(int i = 2; i < n; i++) dp[i] = dp[i-1] + dp[i-2];

return dp;

}

};

# **Count numbers containing 4**

class Solution:

def countNumberswith4(self, N):

ans = 0

for i in range(4, N+1):

if '4' in str(i):

ans += 1

return ans