1. recursion(n,k)

if n==k.

then return 1

else if k== 0

then return 1

else if n==0 and k>0

then return 0

else return recursion(n-1,k-1) + recursion(n-1,k)

2. dp(n,k)

for i=0 to n

for j=0 to k

if i==j

then m(i,j)=1

else if j==0

then m(i,j)=1

else if i==0 and j>0

then m(i,j)= 0

else m(i,j) = m(i-1, j-1) + m(i-1,j).