1. F(n,k){

Date.

if (n<0 and k<0)

    return "input error";

if (n==0 and k>0)

    return 0;

if (n>,0 and k==0)

    return 1;

if (k==1)

    return n;

if (k==n)

    return 1;

else

    return F(n-1,k-1) + F(n-1,k)

}

2. Py-F(n,k)){

    int arr[n+1][k+1];

    int i, j;

    for (i=0; i<=n, i++){

        arr[i][0]=1; }

    for (j=1; j<=k, j++){

        arr[0][j]= 0; }

    for (i=1; i<=n, i++){

        for (j=1; j<=r, j++){

            if (i=j){

                arr[i][j] =1;}

            else if (j>i){

                continue;

            else { arr[i][j]= arr[i-1][j-1] + arr[i-1][j]; }}}

    return arr[n][k];

}