21800500 이고은

1. C(n,k){

if(n=k)

return 1

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

return 1

else if(n>0 and k>0)

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

else

print “incorrect input”

terminate

}

1. C(n,k){

for i <- 1 to n+1

for j <- 1 to k+1

C(i,j) = -1

(Initialize the table with -1)

for i <- 1 to n+1

C(0,i) <- 0

for i <- 1 to k+1

C(i,i) <- 1

for i <- 1 to n+1

C(i,0) <- 1

for i <- 2 to n+1

for j <- 2 to k+1

if(C(i,j) = -1)

(If C(i,j) is empty)

then C(i,j) <- C(i-1,j-1) + C(i-1,j)

}