Store nCr into array

Upto mx

*/// store ncr upto mx*

*/// memory mx^2*

*/// time mx\*(mx+1)/2*

const int mx = 11;

unsigned long long ncr[mx][mx];

void storeNCR()

{

register int i, j;

for(i=0; i<mx; i++){

ncr[i][0] = 1;

for(j=1; j<i; j++)

ncr[i][j] = ncr[i-1][j-1] + ncr[i-1][j];

ncr[i][i] = 1;

}

}

*/// display the whore array nCr upto mx*

void display()

{

register int i, j;

for(i=0; i<mx; i++)

for(j=0; j<=i; j++)

cout<<ncr[i][j]<<" \n"[j == i];

}

Fastest way to find nCr

*/// return nCr fastest way*

long long findNCR(long long n, long long r)

{

if(r > n-r) r = n - r;

long long ans = 1, i;

for(i=0; i<r; i++){

ans \*= (n - i);

ans /= (i + 1);

}

return ans;

}