**CS/IV/18-19**

#include<iostream>

#include<algorithm>

#include<math.h>

using namespace std;

bool decreasing(long i,long j)

{

return (i>j);

}

class cakewalk

{

long N,\*cake;

public:

void getData();

void walk();

};

void cakewalk::getData()

{

cin>>N;

cake=new long[N];

for(long i=0;i<N;i++)

{

cin>>cake[i];

}

}

void cakewalk::walk()

{

long sum=0;

sort(cake,cake+N,decreasing);

for(long i=0;i<N;i++)

{

sum=sum+(cake[i]\*(pow(2,i)));

}

cout<<sum<<"\n";

}

int main()

{

cakewalk C;

C.getData();

C.walk();

return 0;

}