**LINK:**

**<https://app.codility.com/demo/results/trainingTSNRY3-CZA/>**

**CODE:**

// you can use includes, for example:

// #include <algorithm>

#include <bitset>

#include <vector>

using namespace std;

// you can write to stdout for debugging purposes, e.g.

// cout << "this is a debug message" << endl;

int solution(int N) {

// Implement your solution here

vector<int> binaryNumber;

while(N>0){

binaryNumber.insert(binaryNumber.begin(), N%2);

N /= 2;

}

int max1=0;

int c=0;

bool s = false;

for(size\_t i=0;i<binaryNumber.size();i++){

if(binaryNumber[i]==1){

if(s){

max1 = max(max1, c);

c=0;

}

s = true;

}

else if(s){

c++;

}

}

return max1;

}