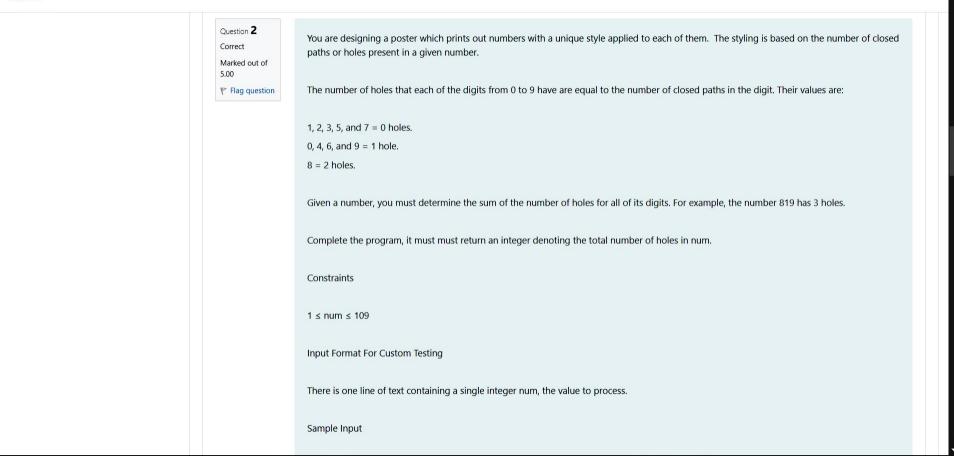
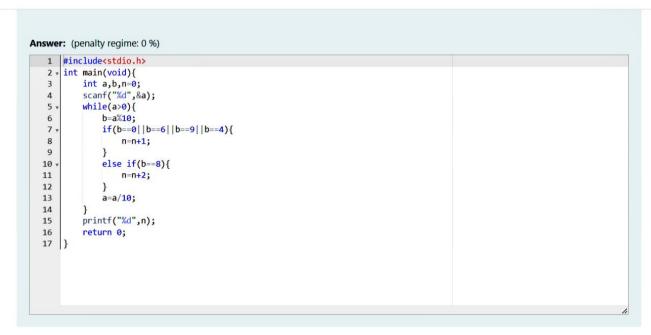


	Input	Expected	Got	
~	3	Yes	Yes	~
	1	Yes	Yes	
	6	No	No	
	7			





	Input	Expected	Got	
~	630	2	2	~
~	1288	4	4	~

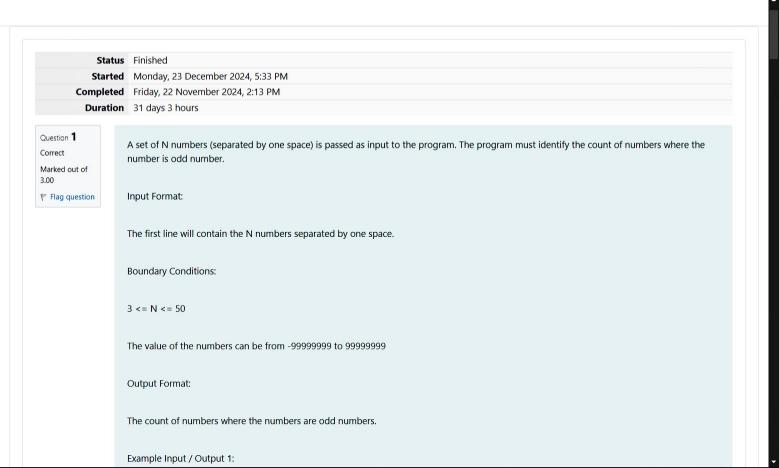
Question 3 Correct Marked out of 7.00 Frag question	The problem solvers have found a new Island for coding and named it as Philaland. These smart people were given a task to make a purchase of items at the Island easier by distributing various coins with different values. Manish has come up with a solution that if we make coins category starting from \$1 till the maximum price of the item present on Island, then we can purchase any item easily. He added the following example to prove his point.
	Let's suppose the maximum price of an item is 5\$ then we can make coins of {\$1, \$2, \$3, \$4, \$5}to purchase any item ranging from \$1 till \$5.
	Now Manisha, being a keen observer suggested that we could actually minimize the number of coins required and gave following distribution {\$1, \$2, \$3}. According to him any item can be purchased one time ranging from \$1 to \$5. Everyone was impressed with both of them. Your task is to help Manisha come up with a minimum number of denominations for any arbitrary max price in Philaland.
	Input Format
	Contains an integer N denoting the maximum price of the item present on Philaland.
	Output Format
	Print a single line denoting the minimum number of denominations of coins required.
	Constraints
	1<=T<=100 1<=N<=5000

Explanation: For test case 1, N=10.



	Input	Expected	Got	
~	10	4	4	~
~	5	3	3	~
~	20	5	5	~
~	500	9	9	~
~	1000	10	10	~

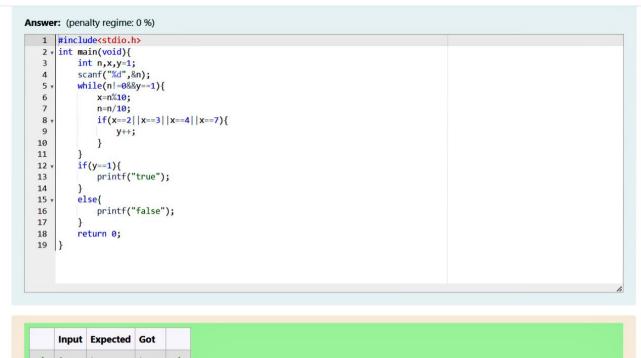






	<u> </u>	Expected	GOL	
~	5 10 15 20 25 30 35 40 45 50	5	5	~

Question 2	Given a number N, return true if and only if it is a <i>confusing number</i> , which satisfies the following condition:
Correct	eren a name en grant dae in and only in this a conjusting name of miner satisfies the following contained in
Marked out of 5.00	We can rotate digits by 180 degrees to form new digits. When 0, 1, 6, 8, 9 are rotated 180 degrees, they become 0, 1, 9, 8, 6 respectively. When
Flag question	2, 3, 4, 5 and 7 are rotated 180 degrees, they become invalid. A <i>confusing number</i> is a number that when rotated 180 degrees becomes
	a different number with each digit valid.
	Example 1:
	6-> 9
	Input: 6
	Output: true
	Explanation:
	We get 9 after rotating 6, 9 is a valid number and 9!=6.
	Example 2:
	89 -> 68
	Input: 89
	Output: true
	Explanation:
	We get 68 after rotating 89, 86 is a valid number and 86!=89.
	Example 3:
	11 -> 11
	Input: 11
	Output: false





Question 3
Correct
Marked out of 7.00
₹ Flag question
r riag question

A nutritionist is labeling all the best power foods and increasing by 1 for each, until all items have has. For example, food item with value 1 has 1 m.
The nutritionist has to recommend the best comb prescribing a particular sum of macronutrients (ai increasing order of their value. Compute the high given 'unhealthy' number.
Here's an illustration:
Given 4 food items (hence value: 1,2,3 and 4), and matches the 'unhealthy' sum. Hence, one of the t
. 2 + 3 + 4 = 9
. 1 + 3 + 4 = 8
1 + 2 + 4 = 7
Since $2 + 3 + 4 = 9$, allows for maximum number
Complete the code in the editor below. It must re $(10^9 + 7)$.
It has the following:

n: an integer that denotes the number of food items

in the market. Every food item arranged in a single line, will have a value beginning from 1 a value associated with them. An item's value is the same as the number of macronutrients it nacronutrient, food item with value 2 has 2 macronutrients, and incrementing in this fashion. bination to patients, i.e. maximum total of macronutrients. However, the nutritionist must avoid an 'unhealthy' number), and this sum is known. The nutritionist chooses food items in the hest total of macronutrients that can be prescribed to a patient, without the sum matching the d the unhealthy sum being 6 macronutrients, on choosing items 1, 2, 3 -> the sum is 6, which three needs to be skipped. Thus, the best combination is from among: r of macronutrients, 9 is the right answer. return an integer that represents the maximum total of macronutrients, modulo 1000000007

It has the following:
n: an integer that denotes the number of food items
k: an integer that denotes the unhealthy number
Constraints
$1 \le n \le 2 \times 10^9$
$1 \le k \le 4 \times 10^{15}$
Input Format For Custom Testing
The first line contains an integer, <i>n</i> , that denotes the number of food items.
The second line contains an integer, k, that denotes the unhealthy number.
Sample Input 0
2
2
Sample Output 0
3

Cannot use item 1 because k = 1 and $sum \equiv k$ has to be avoided at any time. 2. Hence, max total is achieved by sum = 0 + 2 = 2. Sample Case 2 **Sample Input For Custom Testing**

#include <stdio.h>
int main(void){
long long int n,t,i,nut=0;
scanf("%lld%lld",&n,&t);
for(i=1;i<=n;i++){

