Вс	ne firs parat punda	ary Conditions:
Th	ne vali	<= 50 ue of the numbers can be from 9999 to 99999999
Th	ne col	Format: unt of numbers where the numbers are mbers.
Ex	ampl	mbers. e Input / Output 1:
5 ′		20 25 30 35 40 45 50
5	utput:	
Th	rplana ne nur 5, 35,	mbers meeting the criteria are 5, 15,
Ar	1 2	r: (penalty regime: 0 %) #include <stdio.h> int main()</stdio.h>
	3 v 4 5 6 v 7 8 v	<pre>int n,x=0; while(scanf("%d",&n)==1) { if(n%2!=0) {</pre>
	9 10 11 12 13	<pre>x++; }} printf("%d",x); }</pre>
		Input Ex
P	✓ Passed	Input
Corre		t of 5.00
Gi		number N, return true if and only if it
fol We	llowin e can ew dig	rotate digits by 180 degrees to form gits. When 0, 1, 6, 8, 9 are rotated 180
re: ro: A : ro:	spect tated confu tated	s, they become 0, 1, 9, 8, 6 rively. When 2, 3, 4, 5 and 7 are 180 degrees, they become invalid. using number is a number that when 180 degrees becomes
Ex	diffe r ≀amp l -> 9	ent number with each digit valid.
Ou Ex W		true ation: 9 after rotating 6, 9 is a valid number
Ex	nd 9!= (ampl 9 -> 6	le 2:
Ou Ex W		true ation: 68 after rotating 89, 86 is a valid
nu Ex 11	(amp -> 11	and 86!=89.
Ou Ex W	plana e get	false ation: 11 after rotating 11, 11 is a valid
11		t a confusing number.
1. 2. ze ha	O « Aferos, f ave OC	<= N <= 10^9 Ter the rotation we can ignore leading for example if after rotation we 2008 then this number is considered as
	1	r: (penalty regime: 0 %) #include <stdio.h></stdio.h>
	2 3 v 4 5 6 7 v	<pre>int main() { int n,x,y=1; scanf("%d",&n); while(n!=0&&y==1) {</pre>
	8 9 10 • 11 12 13	x=n%10; n=n/10; if(x==2 x==3 x==4 x
	14 v 15 16 17 18	<pre>f printf("true");} else { printf("false"); }}</pre>
F	✓ ✓	Input Expected Got 6 true true ✓ 89 true true ✓
P	✓ Passed	25 false false ✓ d all tests! ✓
Ques Corre	stion 3	
	ed out	estion
foo in fro ite	ods ir a sino om 1 a ems h	ionist is labeling all the best power the market. Every food item arranged gle line, will have a value beginning and increasing by 1 for each, until all ave a value associated with them. An value is the same as the number of
wi wi	th val th val	utrients it has. For example, food item lue 1 has 1 macronutrient, food item lue 2 has 2 macronutrients, and enting in this fashion.
co ma mi	mbin acron ust av	ation to patients, i.e. maximum total of outrients. However, the nutritionist void prescribing a particular sum of
thi foo va ma	is sun od ite Ilue. C acron	cutrients (an 'unhealthy' number), and m is known. The nutritionist chooses arms in the increasing order of their compute the highest total of a without the sum matching the given
		thy' number. an illustration:
an ma th	nd the acron e sum	food items (hence value: 1,2,3 and 4), unhealthy sum being 6 utrients, on choosing items 1, 2, 3 -> n is 6, which matches the 'unhealthy' ence, one of the three needs to be
	nong: 2 1	+ 3 + 4 = 9 + 3 + 4 = 8
nu	nce <i>2</i>	a + 2 + 4 = 7 a + 3 + 4 = 9, allows for maximum of macronutrients, 9 is the right
Co	omple ust re	ete the code in the editor below. It eturn an integer that represents the im total of macronutrients, modulo
10	00000 has th n: an	ne following: integer that denotes the number of
fo nu	od ite <i>k:</i> an ımber	integer that denotes the unhealthy
	1	≤ n ≤ 2 × 10 ⁹ ≤ k ≤ 4 × 10 ¹⁵
Th de	ne firs enotes	ormat For Custom Testing It line contains an integer, <i>n</i> , that is the number of food items.
de	enotes	cond line contains an integer, k , that is the unhealthy number.
2 2		
S a 3	ample	e Output 0
Ex	(plana	ation 0
1. 2. to	lte 1 - tal, ar	owing sequence of $n = 2$ food items: em 1 has 1 macronutrients. + 2 = 3; observe that this is the max and having avoided having exactly $k = 2$
Sa		e Input 1
2 1 Sa	ample	e Output 1
2		ation 1
1. 1 a 2.	Ca and so He	annot use item 1 because $k = um \equiv k$ has to be avoided at any time. ence, max total is achieved by $sum = 0$
Sa	·	Case 2
	-	e Input For Custom Testing e Input 2
3		
c	amei	e Output 2
5		
5 Ex	ιplan	ation 2 5, is the best case for maximum
5 Ex	(plan a + 3 = otrient	ation 2 5, is the best case for maximum ts. r: (penalty regime: 0 %) #include <stdio.h> int main()</stdio.h>
5 Ex	tplana + 3 = itrient	ation 2 5, is the best case for maximum ts. r: (penalty regime: 0 %) #include <stdio.h> int main()</stdio.h>
5 Ex	**************************************	<pre>ation 2 5, is the best case for maximum ts. r: (penalty regime: 0 %) #include<stdio.h> int main() { long long int n,t,i,nut=0; scanf("%lld %lld",&n,&t); for(i=1;i<=n;i++) { nut=nut+i; } }</stdio.h></pre>
5 Ex	**************************************	<pre>ation 2 5, is the best case for maximum ts. r: (penalty regime: 0 %) #include<stdio.h> int main() { long long int n,t,i,nut=0; scanf("%lld %lld",&n,&t); for(i=1;i<=n;i++) { nut=nut+i; if(nut==t) { nut=nut-1; }} printf("%lld",nut%1000</stdio.h></pre>
5 Ex	**************************************	ation 2 5, is the best case for maximum ts. r: (penalty regime: 0 %) #include <stdio.h> int main() { long long int n,t,i,nut=0; scanf("%lld %lld",&n,&t); for(i=1;i<=n;i++) { nut=nut+i; if(nut==t) { nut=nut-1; }} printf("%lld",nut%1000 }</stdio.h>
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5 Ex	* * * * * * * * * * * * * * * * * * *	ation 2 5, is the best case for maximum its. r: (penalty regime: 0 %) #include <stdio.h> int main() { long long int n,t,i,nut=0; scanf("%lld %lld",&n,&t); for(i=1;i<=n;i++) { nut=nut+i; if(nut==t) { nut=nut-1; }} printf("%lld",nut%1000 } Input Expected Got 2 3 3 3</stdio.h>
5 Ex	* * * * * * * * * * * * * * * * * * *	## state of the second of the

GE23131-Programming Using C-

Status Finished

Started Monday, 23 December

Completed Friday, 13 December

Duration 10 days 6 hours

A set of N numbers (separated by one space)

program must identify the count of numbers

is passed as input to the program. The

where the number is odd number.

2024, 5:33 PM

2024, 11:16 AM

2024

Question 1

Marked out of 3.00

Input Format:

Correct