Week 04-2

5

Explanation:

The numbers meeting the criteria are 5, 15, 25, 35, 45.

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int n,x=0;
    while (scanf ("%d",&n)==1)
    {
        if (n%2!=0)
    {
        x++;
    }
    }
    printf("%d",x);
    }
```

	Input	Expected	Got	
✓	5 10 15 20 25 30 35 40 45 50	5	5	✓

Passed all tests! ✓

We get 11 after rotating 11, 11 is a valid number but the value remains the same, thus 11 is not a confusing number.

Note:

1. 0 <= N <= 10^9
2. After the rotation we can ignore leading zeros, for example if after rotation we have 0008 then this number is considered as just 8.

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int a, ch;
    scanf("%d",&a);
    while (a!=0)
    {
        int b=a%10;
        a=a/10;
        switch(b)
        {
            case 0:
            case 6:
            case 8:
            case 9:
            ch=0;
            break ;
            default:
            ch=1;
        }
    }
    if (ch==1)
    printf("false");
    else
    printf("true");
    return 0;
}
```

	Input	Expected	Got	
✓	6	true	true	✓
✓	89	true	true	✓
✓	25	false	false	✓

Passed all tests! ✓

? + 3 = 5, is the best case for maximum nutrients.

Answer: (penalty regime: 0 %)

```c
#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%1000000007);
}
```

	Input	Expected	Got	
✓	2 2	3	3	✓
✓	2 1	2	2	✓
✓	3 3	5	5	✓

Passed all tests! ✓