

REC-CIS

```

1 #include<stdio.h>
2 int main()
3 {
4     int n,r=0;
5     scanf("%d",&n);
6     while(n!=0)
7     {
8         n=n/2;
9         r=r+1;
10    }
11    printf("%d",r);
12 }
13

```

| | Input | Expected | Got | |
|---|-------|----------|-----|---|
| ✓ | 10 | 4 | 4 | ✓ |
| ✓ | 5 | 3 | 3 | ✓ |
| ✓ | 20 | 5 | 5 | ✓ |
| ✓ | 500 | 9 | 9 | ✓ |
| ✓ | 1000 | 10 | 10 | ✓ |

Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2 int main()
3 {
4     int a,b,n=0;
5     scanf("%d",&a);
6     while(a>0)
7     {
8         b=a%10;
9         if(b==0 || b==6 || b==9 || b==4)
10        {
11            n=n+1;
12        }
13        else if(b==8)
14        {
15            n=n+2;
16        }
17        a=a/10;
18    }
19    printf("%d",n);
20 }
21

```

| | Input | Expected | Got | |
|---|-------|----------|-----|---|
| ✓ | 630 | 2 | 2 | ✓ |
| ✓ | 1288 | 4 | 4 | ✓ |

Passed all tests! ✓

REC-CIS

```

1  #include<stdio.h>
2  int main()
3  {
4      int T,i=0,n,t;
5      scanf("%d",&T);
6      while(i<T)
7      {
8          scanf("%d",&n);
9          t=n/4;
10         if(t%2==0 && n%2==0)
11         {
12             printf("No\n");
13         }
14         else if(t%2==1 && n%2==1)
15         {
16             printf("No\n");
17         }
18         else
19         {
20             printf("Yes\n");
21         }
22         i++;
23     }
24 }
    
```

| | Input | Expected | Got | |
|---|-------|----------|-----|---|
| ✓ | 3 | Yes | Yes | ✓ |
| | 1 | Yes | Yes | |
| | 6 | No | No | |
| | 7 | | | |

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```

1  #include<stdio.h>
2  int main()
3  {
4      int n,x,y=1;
5      scanf("%d",&n);
6      while(n!=0 && y==1) {
7          x=n%10; n=n/10;
8          if(x==2 || x==3 || x==4 || x==7) {
9              y++; } }
10     if(y==1) {
11         printf("true"); }
12     else {
13         printf("false"); }
14     }

```

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

Passed all tests! ✓

REC-CIS

Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2 int main(){
3     int n,x=0;
4     while(scanf("%d",&n)==1) {
5         if(n%2!=0) {
6             x++; } }
7     printf("%d",x);
8     return 0;
9 }
```

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

Passed all tests! ✓

Question 2

REC-CIS

```

1 #include<stdio.h>
2 int main(){
3     long long int n,t,i,nut=0;
4     scanf("%lld %lld",&n,&t);
5     for(i=1;i<=n;i++) {
6         nut=nut+i;
7         if(nut==t) {
8             nut=nut-1; } }
9     printf("%lld",nut%1000000007);
10 }
    
```

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

Passed all tests!