

```

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     return 0;
25 }

```

| | 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 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    return 0;
21 }
```

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

Passed all tests! ✓

```

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    return 0;
13 }

```

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

Passed all tests! ✓

```

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

```

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

Passed all tests! ✓

```

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      {
8          x=n%10;
9          n=n/10;
10         if(x==2 || x==3 || x==4 || x==7)
11         {
12             y++;
13         }
14     }
15     if(y==1)
16     {
17         printf("true");
18     }
19     else
20     {
21         printf("false");
22     }
23     return 0;
24 }

```

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

Passed all tests! ✓

```

1 #include<stdio.h>
2 int main()
3 {
4     long long int n,f,i,nuf=0;
5     scanf("%lld %lld",&n,&f);
6     for(i=1;i<=n;i++){
7         nuf=nuf+i;
8         if(nuf==f){
9             nuf=nuf-1;
10        }
11    }
12    printf("%lld",nuf%1000000007);
13    return 0;
14 }

```

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

Passed all tests! ✓