

```

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

```

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

Passed all tests! ✓

```

1  #include<stdio.h>
2  int countholes(int digit){
3      switch(digit){
4          case 0:
5          case 4:
6          case 6:
7          case 9:
8              return 1;
9          case 8:
10             return 2;
11         default:
12             return 0;
13     }
14 }
15 int main(){
16     long long number;
17     scanf("%lld",&number);
18     int totalholes = 0;
19     while (number>0){
20         int digit = number%10;
21         totalholes += countholes(digit);
22         number/=10;
23     }
24     printf("%d",totalholes);
25     return 0;
26 }

```

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

Passed all tests! ✓

```

1  #include<stdio.h>
2  int main(){
3      int maxprice;
4      scanf("%d",&maxprice);
5      int count =0;
6      int demo =1;
7      while (demo<=maxprice){
8          maxprice-=demo;
9          demo*=2;
10         count++;
11     }
12     if (maxprice>0){
13         count++;
14     }
15     printf("%d",count);
16     return 0;
17 }

```

	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 i=1;
5      int count =0;
6      while(i<=10){
7          int a;
8          scanf("%d",&a);
9          if(a%2!=0){
10             count=count+1;
11         }
12         i++;
13     }
14     printf("%d",count);
15 }
16

```

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

Passed all tests! ✓

```

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

```

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


```

1  #include<stdio.h>
2  int main(){
3      long n,k,i,sum=0;
4      scanf("%ld %ld",&n,&k);
5      for(i=0;i<=n;i++){
6          sum+=i;
7          if(sum==k){
8              sum-=1;
9          }
10     }
11     printf("%ld",sum%100000000)
12 }

```

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

Passed all tests! ✓