

Your program is given an integer N ($1 \leq N \leq 100000$). Next are the N integers in ascending order. Then given an integer M ($1 \leq M \leq 300000$), followed by M queries. Each request is an integer. For each X request, print on a separate line the number of elements in the input array that are strictly greater than X .

Sample input 1:

```
5
1 3 4 6 8
3
3 0 9
```

Sample output 1:

```
3
5
0
```

Sample input 2:

```
5
1 3 3 3 5
1
3
```

Sample output 2:

```
1
```