

max_occur

given an array find item that maximum occur in range [l, r)

input:

first line get n $\leq 30'000$ and q $\leq 300'000$
second line get n number represent an array (val $\leq 1e6$)
next q line get $0 \leq l < r \leq n$ represent query

output:

each query output number that have the maximum occur in range
and many of it (if have many item output the maximum value)

example input:

```
5 5
1 3 1 4 3
0 1
0 2
0 3
1 4
0 5
```

example output:

```
1 1
3 1
1 2
4 1
3 2
```