# Segment Tree Practice 4

**Time limit:** 0.6s **Memory limit:** 256M

Given an array $A$ of size $N$, support the $Q$ of the following queries:

Count the number of elements appearing **exactly once** in the range $[l, r]$.

## Constraints

$1 \leq N, Q \leq 2 \times 10^5$

$1 \leq l \leq r \leq N$

$1 \leq A_i \leq N$

## Input Specification

The first line contains $2$ integers $N$ and $Q$.

The second line contains $N$ integers $A_1, A_2, \ldots, A_N$, the elements of $A$.

The next $Q$ lines each contain $2$ integers $l_i$ and $r_i$, representing a query on the range $[l_i, r_i]$.

## Output Specification

For each query output one integer on its own line, the answer to that query.

## Sample Input

```
7 5
1 2 3 2 4 3 1
2 5
1 7
4 7
3 6
1 1
```

## Sample Output

```
2
1
4
2
1
```