

4th BCPC programming league



Samad has N teeth, one in each of the holes numbered $1, 2, \dots, N$. Dentist Akbar will perform Q treatments on these teeth and holes. In the i -th treatment, hole T_i is treated as follows:

- If there is a tooth in hole T_i , remove the tooth from hole T_i .
- If there is no tooth in hole T_i (i.e., the hole is empty), grow a tooth in hole T_i .

After all treatments are completed, how many teeth does Samad have?

Constraints

- All input values are integers.
 - $1 \leq N, Q \leq 1000$
 - $1 \leq T_i \leq N$
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Input

The input is given from Standard Input in the following format:

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N  Q
T1 T2 ... TQ
```

Output

Print the number of teeth as an integer.

Sample 1:

Input	Output
30 6	28
2 9 18 27 18 9	

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Sample 2:

Input							Output
1	7						0
1	1	1	1	1	1	1	