Lucky Complete Arrays

You are given a lucky number k and an array. If you are able to create all numbers from 1 to k (inclusive) , this array will be called lucky complete array. According to this, at least how many insertions are needed to make this array a lucky complete array?

Input Format:

First line contains: n k

Second line contains integers separated by spaces, denoted by elements of array

Note: The second line can contain more elements than n, and you should do your operations according to first n elements.

Constraint:

$1 \leq n \leq 10^5$

$1 \leq k \leq 10^6$

Output Format:

One number least amount of insertion to make array lucky complete.

Sample Input:

```
3 12
1 3 5
```

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Sample Output:

```
2
```

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Sample Explanation:

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Submit Solution

Points: 1

Time limit: 1.0s
Java 8: 4.0s
Python: 8.0s

All submissions

Best submissions

My submissions

```
1 is already in array
We can not create 2, we can add it
3 is already in array
4 = 3 + 1
5 is already in array
6 = 1+2+3
7 = 5+2
8 = 5+3
9 = 5+3+1
10 = 5+3+2
11 = 1+2+3+5
We can not create 12, we can add it

We add only 2 and 12 into array, count is 2.
```

Request clarification