





▼ The second practical assignment

The second practical assignment **& Basics of Algorithm 2-99 & classes & Home** 



#### array

• Time limit: 1 second

• Memory limit: 256 MB

We know the elements of an array nA member of the integers between 1And m are and the difference of two adjacent elements is at most one.

You are given a description of this array where some of the array elements are not specified. Find the number of valid arrays of the given form.

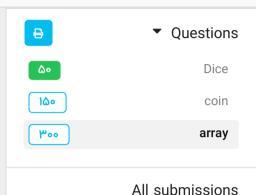
#### Input

In the first line, enter two natural numbers nAnd m separated by distance.

$$1 \le n \le 10^5, 1 \le m \le 100$$

In the second line n There are numbers that describe the desired array. The number zero indicates the unspecified element.

$$0 \le x_i \le m$$



Final submissions

## Output

The number of possible arrays with the given description in  ${\sf measure} 10^9 + 7 {\sf print}$ 

# Example

### Sample input 1

3 5

2 0 2

### Sample output 1

3

The following arrays are possible for the described description.

- [2, 1, 2]
- [2, 2, 2]
- [2, 3, 2]

POST AN ANSWER TO THIS QUESTION

.The training period is over

events	with Quera
Kodak	Work with us
Scale up	contact us
Trainee exhibition	about us
Tracey	Terms and Conditions

Sponsorship of competitions

#### Sources

Quora blog Programmers' salary calculator Statistics of the programming world subscribe to newsletter

#### **Products**

Teaching programming Recruitment ads Programming questions Competitions classes Employment platform Quera Jr













