coin

- Time limit: 1 second
- Memory limit: 50 MB

Consider a monetary system in which$n$There are different coins. The value of each coin is a positive integer. You have different ways to make money in this system$x$Find the fix.

For example, if the available coins are 2, 3 and 5, there are three ways to make the number 9.

- $2+2+5$
- $3+3+3$
- $2+2+2+3$

Input

In the first input line two natural numbers$n$And$x$separated by distance.

$$1 \leq n \leq 1\,0\,0\,,\ 1 \leq x \leq 1\,0^{6}$$

In the next line$n$The numbers are separated by spaces, which indicate the values of the coins.

Questions

50 Dice

150 coin

300 array

All submissions

Final submissions

$$1 \leq c_i \leq 1\,0^6$$

Output

Measure the number of possible states$1\ 0^9 + 7$print

Example

Sample input 1

```
3 9
2 3 5
```

Sample output 1

```
3
```

POST AN ANSWER TO THIS QUESTION

.The training period is over


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