

F // Efficient Cash

Zhehai goes to the cash register in order to buy his items. He has to pay a total cost of N dollars. With M different value bills, find the minimum number of bills Zhehai needs to use to pay for the cost.

Input Specification:

The first line will contain two integers, N ($0 \leq N < 1,000,000$) and M ($0 \leq M < 1,000$). The next line will contain M space-separated positive integers with each integer representing a value that Zhehai can use to pay. He has an infinite number of the bills.

Output Specification:

Output the minimum of bills Zhehai can use to pay. If he cannot make the money exactly, print -1.

Sample Input 1:

```
10 3
2 4 7
```

Sample Output 1:

```
3
```

Sample Input 2:

```
11 4
2 4 5 10
```

Sample Output 2:

```
3
```