# A test of "fundamentals of programming"-03 September

## Task 4. Cake

You are invited to the **30th birthday of Kendrick Lamar**, but as part of the organization. He wants to invite many guest and planned to take **a huge cake**. He wants to know, however, how many **pieces** can be taken from her. Every time somebody gets, you need to **take into account** that **one** or **more**pieces are taken. So you have to walk **over the cake** or **stop while guests take**.

Write a **program**that calculates the number **of the other** pieces will get the size of the cake and then on each row until you get the command **STOP**or until you finish the cake (**pieces < 0**), you'll receive a whole number equal to the pieces. Finally, it should be printed **, how many pieces are left** , or **that you have done**.

**Note: The cake is rectangular in shape. One piece has a size of 1 × 1.**

### Login

The user enters the following on separate lines:

**1.** **Width of the cake – an integer in the range [1. .. 1000] ;**

**2.** **Length of the cake – an integer in the range [1. . .1000] ;**

**3.** The following lines**(until you get the command STOP)**– **number of pieces taken from the cake – whole numbers in the range** **[1...1000] ;**

### Exit

To **print** to the console **one** of the following lines:

o **" {number of pieces} pieces are left. " -**If you get to STOPand not to finished pieces cake

o **" No more cake left! You need {number of nedostigaŝi pieces} more pieces. "**

### Sample input and output

|  |  |
| --- | --- |
| **Login** | **Exit** |
| 10  10  20  20  20  20  21 | No more cake left! You need 1 pieces more. |
| **Login** | **Exit** |
| 10  2  2  4  6  STOP | 8 pieces are left. |