拼接海报问题

将海报组成一串，每一串不能放在不同页。

每一串的顺序是按照第一张海报上的时间来排的

0 ≤ a, p ≤ 1 000

0 < x < i

每一页纸上理想的海报数为a

海报总数为p

输出每一页纸上海报数量和理想数量的差值

The input consists of a number of test cases.

The first line of each test case contains two integers a, p, the intended number of posts per page and the number of posts respectively.

Then there is a line for each post,

in the order they were posted.

The ith line contains a positive integer x if the ith post is a reply to the xth post, or 0 if the ith post starts a new thread.

**Sample Input**

3 6 //每页理想放3张海报，一共有6张海报

0 //以下是每张海报，第一张海报开启第一页

1. //第二章海报是和第1张在同一页

2 //第3张海报是和第2张在同一页

0 //第4张海报开启第二页

4 //第5张海报是和第4张在同一页

5 //第6张海报是和第5张在同一页

3 6

0

0

0

0

0

3

**Sample Output**

0 //输出每一页的海报数和理想海报数差值的最大值

1