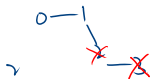
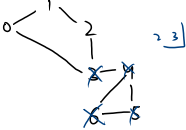


8	
0	1 10
1	2 10
2	3 10
0	3 10
3	4 10
4	5 10
5	6 10
4	6 10
6	
3	





surprise surprise

ACCIO CODING ARENA

Ace multiple rounds of codes and showcase your skills

Rewards are Waiting

From 8pm onwards



You are the owner of a grocery store. You have a report of sales of n products of the store over the last m days.

Given this data, you must calculate the best selling product cumulatively on each day. If there is a tie, you must print the product with the smallest index.

Input Format

The first line contains two integers n and m , denoting the number of days and the number of products, respectively.

The i th of the next n lines contains m space-separated integers, $a[i][j]$, where $a[i][j]$ denotes the number of units of the j th product sold on the i th day.

Output Format

Print m lines, where the i th line contains the index of the best selling product on the i th day.

	3 5
2 →	2 1 9 1 9
4 →	8 1 0 2 7
4 →	4 5 2 10 3

$\frac{14}{0} \frac{7}{1} \frac{11}{2} \frac{13}{3} \frac{19}{4}$
 $N \rightarrow \text{Product}$
 $M \rightarrow \text{days}$

$\rightarrow res = [\dots]$
 $\rightarrow pref[i] = [\dots]$
 \rightarrow
 \rightarrow

$f(i \rightarrow m)$
 $pref[i] += arr[i][p]$
 $// update maxi$
 $res[i] = maxi$
 $\}$