

National Archery Championship Rankings

Time: 2s | Memory: 256 MB

Problem Statement

Bhutan hosts a national archery championship where each participant competes in multiple rounds. Each round contributes to the final score.

The ranking is determined by:

- Higher total score ranks better
- If two players have equal scores, the player with the smaller ID is ranked higher (seniority rule)

The organizing committee needs the final ranking of all participants after all rounds are completed.

Your task is to produce the ranking order from best to worst.

Input Format

Line 1: integers N M (N represents number of players, and M represents number of rounds)

Next N lines: M integers per line — round scores for player 1, 2, ..., N .

Output Format

N integers on one line — player IDs in ranking order.

Constraints / Notes

$1 \leq N \leq 10^5$ | $1 \leq M \leq 10$ | $0 \leq \text{score} \leq 10^9$

Sample Input

```
3 2
10 20
15 10
20 5
```

Sample Output

```
1 2 3
```