Finding Pavement

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

After arriving at his basement, Yaoi can now use gghx to create infinitely many MO and IO problems. His basement is made out of $H \times W$ cells, arranged in a rectangle H tall and W wide. The rows are numbered from 1 to H from top to bottom, and the columns are numbered from 1 to W from left to right.

Yaoi has grown to love kidnapping "pavement"s. However, as "pavement"s are a rare breed, they can be often confused with the much more common "penguin". The person in the i^{th} row and j^{th} column is of breed $P_{i,j}$.

Yaoi has captured $H \times W$ people, but only one of them is a "pavement". Yaoi believes that if he puts gghx in a cell with pavement, they will be able to work together to create even better problems, and create them more quickly.

Please help Yaoi find the cell that pavement is in!

Input

The first line of input contains 2 space separated integers, H and W.

The next H lines of input contain W space separated strings each, representing the 2D array P, the inhabitants of the basement cells.

Output

Output 2 space separated integers in a single line, representing the row number and the column number that pavement is in.

Scoring

For all subtasks, it is guaranteed that:

- $1 \leq H, W \leq 30$
- $P_{i,j}$ is either "pavement" or "penguin"

Subtasks:

- Subtask 1 (41 points): $H = 1$
- Subtask 2 (59 points): No additional constraints
- Subtask 3: Sample testcases

Examples

standard input	standard output
1 1 pavement	1 1
5 4 penguin penguin penguin penguin penguin penguin penguin penguin pavement penguin penguin penguin penguin penguin penguin penguin penguin penguin penguin penguin	3 1