

Row Max Average

Given an N by M matrix get the maximum average of a row in it.

Input

First line containing two numbers N and M ($1 \leq N, M \leq 10$).

The following N lines each contains M numbers representing the matrix.

The absolute value of values in the matrix won't exceed 100.

Output

The maximum average of a row with 2 decimal points.

Example

Input:

2 2

1 0

1 1

Output:

1.00

Explanation of sample input:

The average of the first row is $(1 + 0) / 2 = 0.5$

The average of the second row is $(1 + 1) / 2 = 1$