

3051 - Calculating Probabilities

Description

Octavito is helping a friend with probabilities topics. This friend is now on basic topics about probabilities, specifically calculating the probabilities of an event, given the total number of cases and the number of favorable cases (those for which the event occurs).

Input specification

The input consist in a integer number $1 \leq T \leq 100$ representing the amount of cases, and for each case will be a line with two numbers $1 \leq A \leq B \leq 100$ representing number of favorable cases and the total number of cases respectively.

Output specification

For each case you must output a line with a number representing the probabilities of the event, the results muts be rounded up to two decimal places.

Sample input

```
2
2 4
1 4
```

Sample output

```
0.50
0.25
```

Hint(s)

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