

T 103 - Negative Marking

Problem

Submissions

Leaderboard

Raju is giving his JEE Main exam. The exam has Q questions and Raju needs S marks to pass. Giving the correct answer to a question awards the student with 4 marks whereas giving the incorrect answer to a question awards the student with negative 3 (-3) marks. If a student chooses to not answer a question at all, he is awarded 0 marks.

Write a program to calculate the minimum accuracy that Raju will need in order to pass the exam.

Input

Input consists of multiple test cases.

Each test case consists of two integers Q and S

Output

Print the minimum accuracy upto 2 decimal places

Print -1 if it is impossible to pass the exam

Sample Input 0

```
2
10 40
10 33
```

Sample Output 0

```
100.00
90.00
```



Contest ends in an hour

Submissions: [383](#)

Max Score: 100

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Current Buffer (saved locally, editable)  

Python 3



1

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