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Pyth's Magical Ladder   🔒 locked

Problem	Submissions	Discussions

Pyth has acquired a 5-foot magical ladder from a land far far away which can be used in any land structure of any given height and base imaginable. There's just one problem. It does not work and extend unless the exact length of the ladder is whispered or the height of the structure is less than or equal twice its length.

As his best buddy, you are tasked to help Pyth in this task.

Input Format

The input contains the height of the structure and the width of the base.

Constraints

height, base > 0

Output Format

For each pair of input, display the height of the ladder. Otherwise, display the original length of the ladder.

Sample Input 0

```
100 20
```

Sample Output 0

```
101
```

Sample Input 1

```
100 100
```

Sample Output 1

```
141
```

```cpp
1  #include <iostream>
2  using namespace std;
3
4  int main() {
5      /* Enter your code below */
6
7      return 0;
8  }
```

C++ ⌄

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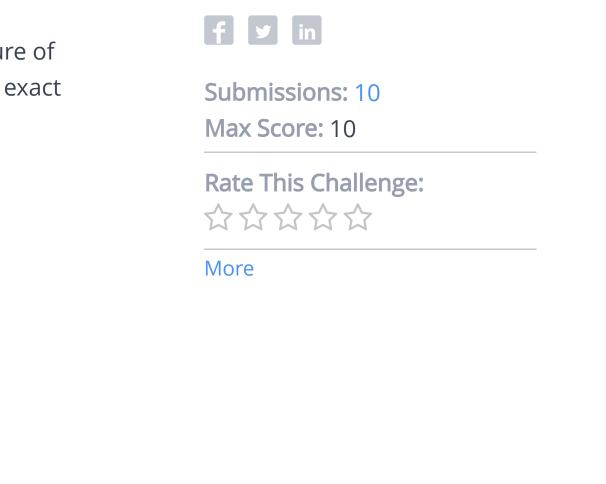⬆ Upload Code as File   ☐ Test against custom input   [Run Code]   [Submit Code]