# Nums

Write a program that reads reads numbers **n** and **m**. The program should go through each number in the range [n..m] and print its **square root** (**√**) if the number is **even** or **number2** if it's **odd**.

Example: **n** is 5 and **m** is 11, so all the numbers in the range are **5**, **6**, **7**, **8**, **9**, **10** and **11**. 5 is odd, so we print 52 = **25.000**. 6 is even so we print √6 = **2.449**, 7 is odd – 72 = **49.000**, etc.

## Input

The input data is read from the console.

* The input consists of 2 lines:
  + On the first line you will receive the number **n**
  + On the second line you will receive thenumber **m**
* The input data will always be valid and in the format described. There is no need to check it explicitly.

## Output

The output data must be printed on the console – each number's calculation should be printed on a **separate line**. The resulting number should be rounded to **3 digits** after the decimal separator.

## Constraints

* The numbers **n** and **m** will be integer numbers in the range [0..100].
* Time limit: 0.1 seconds.
* Allowed memory: 16 MB.

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 5  11 | 25.000  2.449  49.000  2.828  81.000  3.162  121.000 |