

1. Sum of Square Roots

Given two values A and B find out the following sum

$$\sum_{i=A}^B \sqrt{i}$$

- It is guaranteed that $A < B$.

In other words, **Given A and B, find out the SUM OF SQUARE ROOT OF ALL NUMBERS FROM A TO B (INCLUSIVE)**

Input Format:

A single line input containing two space-separated integers.

Output Format:

Display output according to the problem.

Example:

Let's suppose $A = 1$ and $B = 5$, Now you have to find out

$$1 + \sqrt{2} + \sqrt{3} + \sqrt{4} + \sqrt{5} = 8.3823$$

- **Adjust the result to 2 decimal values after point**

Sample I/O

Input 1:

1 5

Output 1:

8.38

Input 2:

17 23

Output 2:

31.26

Input 3:

123 231

Output 3:

1444.31

Input 4:

1000 1001

Output 4:

63.26

2. Unique Maximum Number

Given an array A. Find the highest unique element in array A. Unique element means, that element should present only once in the array.

Input Format :

The first line of input contains N, size of array A. Next line contains N space-separated elements of array A.

Output Format :

Print highest unique number of array A. If there is no such element present in an array then print -1.

Sample I/O :

Input :

6

9 8 7 9 5 8

Output :

7

Explanation:

In array A: 9 occur two times. 8 occur two times. 5 occur once and 7 occur once. 5 and 7 are unique elements but 7 is maximum.

Hence the answer is 7.