

# Median

Given an array of  $n$  integers. Find the median of the array.

## Input

The first line is an integer  $n$  ( $n \leq 10^6$ )

The second line is an integer  $n$  where absolute value of each number is not more than  $10^9$ .

## Output

The median of array

## Example

**Input:**

5  
7 8 3 1 4

**Output:**

4

**Input:**

6  
7 8 3 1 4 5

**Output:**

4.5