H   🏠 **Domains**   🕐 **Contests**   🏅 **Rank**   🏆 **Leaderboard**   💼 **Jobs**

All Domains › **Algorithms** › **Sorting** › **Find the Median**

Badge Progress (Details)

Points: 1440.13 Rank: 4843

Find the Median

👤 by **idlecool**

Problem	Submissions	Leaderboard	Discussions

In the Quicksort challenges, you sorted an entire array. Sometimes, you just need specific information about a list of numbers, and doing a full sort would be unnecessary. Can you figure out a way to use your partition code to find the *median* in an array?

Challenge
Given a list of numbers, can you find the median?

Input Format
There will be two lines of input:

- n - the size of the array

- ar - n numbers that makes up the array

Output Format
Output one integer, the median.

Constraints

- $1 \leq n \leq 1000001$

- n is odd

- $-10000 \leq x \leq 10000, x \in ar$

Sample Input

```
7
0 1 2 4 6 5 3
```

Sample Output

```
3
```

Submissions: 8119

Max Score: 35

Difficulty: Easy

More

Current Buffer (saved locally, editable) ⑂ ↺

Java 8 ⌄   ⤢   ⚙

```java
1  import java.io.*;
2  import java.util.*;
3
4  public class Solution {
5
6      public static void main(String[] args) {
7          /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named
   Solution. */
8      }
9  }
```

Line: 1 Col: 1

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

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