DMOPC '14 Contest 1 P1 - Median Mark

Time limit: 2.0s   **Memory limit:** 64M

Help Mr. Sidhu, your favourite math teacher, find the median mark on a class test. The first line will consist of N $(1 \le N \le 1000)$, the number of marks. This line will be followed by N lines with each containing an integer mark $(0 \le \mathrm{mark} \le 999)$. Round to the nearest integer if necessary. We use standard mathematical conventions for rounding.

Sample Input 1

```
2
50
100
```

Sample Output 1

```
75
```

Sample Input 2

```
3
40
99
100
```

Sample Output 2

```
99
```