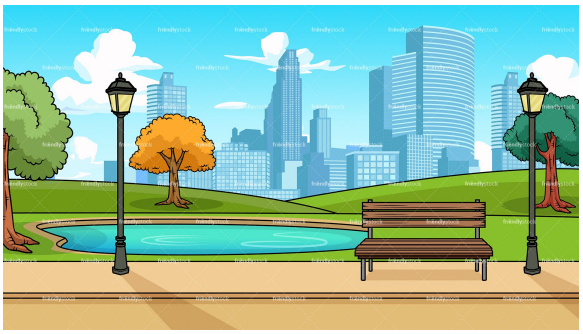
Hunting for an Apartment



Professor Horton is looking for a new apartment. He wants to live somewhere affordable, but he also doesn't want to live in the absolute cheapest apartment he can find. Given a list of monthly rents for apartments in his area, can you compute the second cheapest apartment that he can rent?

Input

The input file will begin with one line containing $2 \leq n \leq 20$, the number of apartments available. The following n lines will each contain a single integer $l_i \leq 1000$ describing monthly price of apartment i.

Output

Output the second cheapest apartment price of the ones provided.

Sample Input

```
5
100
150
90
80
3500
```

Sample Output

```
90
```