Count the number of nodes with exactly 2 children

Given N numbers, your task is to create the binary search tree and calculate the number of nodes owning exact 2 children.

Input Format

The first line is the number of elements $N(0 \le N \le 103)$.

The second line denotes the value of these elements with N positive integers.

The value of elements are positive integers ≤ 106.

Output Format

Print the number of nodes owning exact 2 children.

Sample test

input copy
6 5 1 2 7 6 8
output copy
2

Explanation for sample test

Example 1:

With the given numbers, we have 5 and 7 that are nodes owning exact 2 children. Thus, 2 is the answer.