**Shorter But Older**

Two parents want to compare the heights and ages of their children. They would like to take a pair of indices (**i**, **j**) where 0 <= **i** < **j** < **number of children** and children[**i**] > 2\*children[**j**]. In other words, take a younger child and an older child, and see if the younger child is strictly taller than 2\*the height of the older child. Do you think you can write a program to help them out in their dilemma?

**Input:** The first line of input contains **N**, the number of children. The next line contains **N** space-separated integers which represent the height of each child. The order of the children is from youngest -> oldest.

**Output:** You will output the number of pairs that fit the criteria as stated above.

**Example Input:**

5

2 4 3 5 1

**Example Output:**

3

**Explanation:** The three pairs that satisfy the given criteria is (1, 4), (2, 4), and (3, 4).