There are n persons on a social media website. You are given an integer array ages where ages[i] is the age of the ith person.

A Person x will not send a friend request to a person y (x != y) if any of the following conditions is true:

* age[y] <= 0.5 \* age[x] + 7
* age[y] > age[x]
* age[y] > 100 && age[x] < 100

Otherwise, x will send a friend request to y.

Note that if x sends a request to y, y will not necessarily send a request to x. Also, a person will not send a friend request to themself.

Return *the total number of friend requests made*.

**Example 1:**

Input: ages = [16,16]  
Output: 2  
Explanation: 2 people friend request each other.

**Example 2:**

Input: ages = [16,17,18]  
Output: 2  
Explanation: Friend requests are made 17 -> 16, 18 -> 17.

**Example 3:**

Input: ages = [20,30,100,110,120]  
Output: 3  
Explanation: Friend requests are made 110 -> 100, 120 -> 110, 120 -> 100.

**Constraints:**

* n == ages.length
* 1 <= n <= 2 \* 104
* 1 <= ages[i] <= 120