

Sasha has  $n$  sticks with lengths  $a_1, \dots, a_n$ . Your task is to determine the number of different obtuse-angled triangles that can be composed of them. Each triangle must be made up of exactly three sticks of the set.

The input data consists of  $n$  lines, each of which contains the next number  $a_i$ . All numbers are natural, all do not exceed 7000. The number of numbers does not exceed 7000.

Print the line «Sasha can compose  $k$  triangles», where  $k$  is the number of obtuse triangles.

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**Sample input:**

3  
4  
5  
5  
6

**Sample output:**

Sasha can compose 2 triangles