CODEFORCES
Sponsored by TON

| 🇬🇧 🇷🇺
Mr.Yassin | Logout

HOME   TOP   CATALOG   CONTESTS   GYM   PROBLEMSET   GROUPS   RATING   EDU   API   CALENDAR   HELP   RAYAN🏆

PROBLEMS   SUBMIT CODE   MY SUBMISSIONS   STATUS   STANDINGS   CUSTOM INVOCATION

O. George the dictator

time limit per test: 1 second

memory limit per test: 256 megabytes

George's company is responsible for making computer chips, to make a computer chip you need two things .

First : two employees to work on it.

Second : their total experience should equal k.

Given an array of integers contains the experience of each employee , and a number k the experience needed to make a computer chip .

Calculate the number of distinct pairs of employees in the company that can do the job.

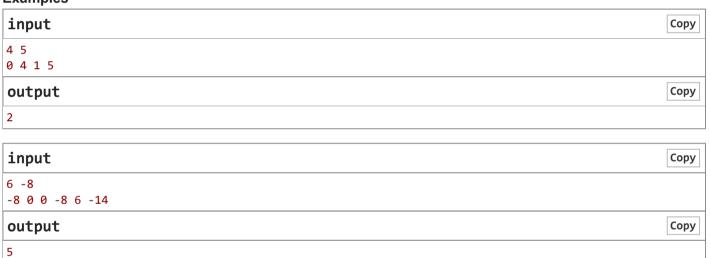George being a dictator as always , he has assigned this job to you.

Input

The first line of the input contains two space-separated integers n and k ($1 \leq n \leq 10^5$, $-10^6 \leq k \leq 10^6$).

The second line contains n integers $a_1, a_2, ..., a_n$ ($-10^6 \leq a_i \leq 10^6$).

Output

Print a single integer. the number of pairs of employees in the company that can do the job .

Examples

input	Copy
4 5 0 4 1 5	

output	Copy
2	

input	Copy
6 -8 -8 0 0 -8 6 -14	

output	Copy
5	

Note

In the second example the pairs are with index

(1, 2) (1, 3) (2, 4) (3, 4) (5, 6)