BUBT INTRA-UNIVERSITY PROGRAMMING CONTEST SPRING 2017 (DIVISION 1)

Finished

THE CONTEST HAS ENDED.

E. Pair Count

Score: 1

CPU: 4s
Memory: 512MB

You are given N unique integers. Count number of pairs of integers whose difference is M.

INPUT

There will be given multiple test cases EOF. Each test case will have two lines. The first line contains two integers N and M (1≤N ≤10^5 and 0 < M < 2^15-1). The second line contains N unique integers (x0,x1...xN; 0≤xi<2^31) each separated by a space.

OUTPUT

For each test case, display one integer that tells the number of pairs of integers whose difference is M.

Sample

Input	Output
3 2 2 4 6 2 5 1 10	2 0

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