#include <assert.h>

#include <limits.h>

#include <math.h>

#include <stdbool.h>

#include <stddef.h>

#include <stdint.h>

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

char\* readline();

char\*\* split\_string(char\*);

// Complete the beautifulTriplets function below.

int beautifulTriplets(int d, int arr\_count, int\* arr) {

int i,j,k;

int count;

count =0;

for(int i = 0; i < arr\_count; i++){

for(int j = i+1; j < arr\_count; j++){

if(arr[j] - arr[i] == d){

for(int k = j+1; k < arr\_count; k++){

if(arr[k] - arr[j] == d){

count++;

}

}

}

}

}

return count;

}

int main()

{

FILE\* fptr = fopen(getenv("OUTPUT\_PATH"), "w");

char\*\* nd = split\_string(readline());

char\* n\_endptr;

char\* n\_str = nd[0];

int n = strtol(n\_str, &n\_endptr, 10);

if (n\_endptr == n\_str || \*n\_endptr != '\0') { exit(EXIT\_FAILURE); }

char\* d\_endptr;

char\* d\_str = nd[1];

int d = strtol(d\_str, &d\_endptr, 10);

if (d\_endptr == d\_str || \*d\_endptr != '\0') { exit(EXIT\_FAILURE); }

char\*\* arr\_temp = split\_string(readline());

int\* arr = malloc(n \* sizeof(int));

for (int i = 0; i < n; i++) {

char\* arr\_item\_endptr;

char\* arr\_item\_str = \*(arr\_temp + i);

int arr\_item = strtol(arr\_item\_str, &arr\_item\_endptr, 10);

if (arr\_item\_endptr == arr\_item\_str || \*arr\_item\_endptr != '\0') { exit(EXIT\_FAILURE); }

\*(arr + i) = arr\_item;

}

int arr\_count = n;

int result = beautifulTriplets(d, arr\_count, arr);

fprintf(fptr, "%d\n", result);

fclose(fptr);

return 0;

}

char\* readline() {

size\_t alloc\_length = 1024;

size\_t data\_length = 0;

char\* data = malloc(alloc\_length);

while (true) {

char\* cursor = data + data\_length;

char\* line = fgets(cursor, alloc\_length - data\_length, stdin);

if (!line) { break; }

data\_length += strlen(cursor);

if (data\_length < alloc\_length - 1 || data[data\_length - 1] == '\n') { break; }

size\_t new\_length = alloc\_length << 1;

data = realloc(data, new\_length);

if (!data) { break; }

alloc\_length = new\_length;

}

if (data[data\_length - 1] == '\n') {

data[data\_length - 1] = '\0';

}

data = realloc(data, data\_length);

return data;

}

char\*\* split\_string(char\* str) {

char\*\* splits = NULL;

char\* token = strtok(str, " ");

int spaces = 0;

while (token) {

splits = realloc(splits, sizeof(char\*) \* ++spaces);

if (!splits) {

return splits;

}

splits[spaces - 1] = token;

token = strtok(NULL, " ");

}

return splits;

}