#include <iostream>

using namespace std;

int main()

{

int n, sum, cnt = 0;

cout << "enter size of arry : ";

cin >> n;

int arr[n];

cout << "enter array numbers : ";

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

{

cin >> arr[i];

}

cout << "enter sum : ";

cin >> sum;

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

{

for (int j = i + 1; j < n; j++)

{

if (arr[i] + arr[j] == sum)

{

cout << arr[i] << " + " << arr[j] << " = " << sum << endl;

cnt++;

}

}

}

cout << "numbers of pairs = " << cnt << endl;

return 0;

}

