# Equal Sum Pairs

You are given an array A having N integers.You need to choose some pairs of indices.Such that they meet the following Constraints.

-Each index goes to at most one pair.

-Sum of elements at both the indices in each pair is Same.

Find the maximum number of pairs which can be chosen.

**Function Description**

Complete the Solve Function in the editor below.it has the following parameters(S):

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| N | INTEGER | The number of Elements in A. |
| A | INTEGER ARRAY | The given array. |

Return-

The function must return an INTEGER denoting the maximum number of pairs which can be chosen.

**Constraints-**

1≤N≤1000

1≤A[i]≤N

**Input format for debugging**

The first line contains an integer,N,denoting the number of elements in A.

Each line of I of the N Subsequent lines (Where 0≤i<N) Contains an integer describing A[i].

**Sample TestCases-**

|  |  |  |
| --- | --- | --- |
| input | Output | Output Description |
| 2 2 2 | 1 | Only one Pair {2,2} |
| 7 6 4 4 7 7 7 3 | 2 | Two pairs {4,7},{4,7} |
| 8 4 1 7 6 7 6 5 8 | 3 | {4,8},{7,5},{6,6} |