

Balanced Array

Find an element in array such that sum of left array is equal to sum of right array. Given, an array of size n . Find an element which divides the array in two sub-arrays with equal sum.

Examples:

Input : 1 4 2 5

Output : 2

Explanation:

If 2 is the partition, subarrays are : {1, 4} and {5}

Input : 2 3 4 1 4 5

Output : 1

Explanation:

If 1 is the partition, subarrays are : {2, 3, 4} and {4, 5}