Problem Description

You need to implement a function called smallestDifference(a) that takes a list of integers and returns the smallest absolute difference between any two distinct integers in the list. If the list is empty, the function should return -1.

Example

For example, if the input list is [3, 8, 15, 17], the smallest difference would be 2, which is the difference between 15 and 17.

If the input list is [5, 1, 19, 21], the smallest difference is 2, which is the difference between 19 and 21.

Input Format

3 -7 0

Output Format

3