

Maximum Difference

Given an array of positive integers, you have to return the maximum difference between 2 numbers in the array, such that if the smallest element is at index i , then larger element is at index j , where $j > i$.

Input:

The first line contains one positive integer, indicating the N Length of array and . After the first line, the list of elements of the array is given separated by “,” without any space.

Output:

Positive integer, representing maximum difference between 2 numbers in array, which satisfies the above constraint and 0 if no such pair exists.

Sample Input	Sample Output
5 1,2,3,4,5	4
6 2,7,2,3,1,8	7
5 5,4,2,1,3	2