Maximum Difference in a Sequence

Given an array `a[]` with length `len > 1`, write a function to find the maximum difference between two elements `a[j] - a[i]` where `j > i`.

```
int max_diff_seq(int a[], int len)
```

Returns the maximum difference if `len > 1`, otherwise returns -1

Files We Give You: A `makefile` and a sample main program (`maxdiff.cpp`) to test your solution. The executable file created by a successful build will be named `maxdiff`.

File You Must Submit: Place your solution code in a file named `solution.cpp`. This will be the only file that you submit.

Examples

Input: `a[] = {1, 1}, len = 2`
Returns: `0`

Explanation: 1 - 1 = 0.

Input: `a[] = {1, 3}, len = 2`
Returns: `2`

Explanation: 3 - 1 = 2.

Input: `a[] = {23, 5, 30, 2}, len = 4`
Returns: `25`

Explanation: 5 - 23 = -18, 30 - 23 = 7, 2 - 23 = -21, 30 - 5 = 25, 2 - 5 = -3, 2 - 30 = -28. Maximum difference is 25.

Input: `a[] = {-7, 5, 15, -1, -50}, len = 5`
Returns: `22`

Explanation: 5 - -7 = 12, 15 - -7 = 22, -1 - -7 = 6, -50 - -7 = 43, 15 - 5 = 10, -1 - 5 = -6, -50 - 5 = -55, -1 - 15 = -16, -50 - 15 = -65, -50 - 1 = -51. Maximum difference is 25.

Input: `a[] = {1, 4, 6, 7}, len = 4`
Returns: `6`

Explanation: 4 - 1 = 3, 6 - 1 = 5, 7 - 1 = 6, 6 - 4 = 2, 7 - 4 = 3, 7 - 6 = 1. Maximum difference is 6.

Input: `a[] = {5}, len = 1`
Returns: `-1`

Explanation: `len` is not greater than 1.