[CENG 315 ALL Sections] Algorithms

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■ Description

Submission view

Grade

Reviewed on Wednesday, November 29, 2023, 12:15 PM by Automatic grade Grade: 100.00 / 100.00

Assessment report % [-]

[-]Output of make

- -c -o sol1.o sol1.cpp
- -]For input 01:
- Sorting: Correct # of Swaps: Correct
- Average Distance: Correct Maximum Distance: Correct
- # of Recursive Calls: Correct
- [-] For input 02:
- Sorting: Correct
- # of Swaps: Correct
- Average Distance: Correct Maximum Distance: Correct

- [-]For input 03: Sorting: Correct
- # of Swaps: Correct
- Average Distance: Correct
- Maximum Distance: Correct # of Recursive Calls: Correct
- [-] For input 04:
- Sorting: Correct
- # of Swaps: Correct
- Average Distance: Correct
- Maximum Distance: Correct
- # of Recursive Calls: Correct
- [-] For input 05:
- Sorting: Correct # of Swaps: Correct
- Average Distance: Correct Maximum Distance: Correct
- # of Recursive Calls: Correct
- [-] For input 06:
- # of Swaps: Correct
- Average Distance: Correct
- Maximum Distance: Correct # of Recursive Calls: Correct
- [-] For input 07:
- Sorting: Correct
- # of Swaps: Correct
- Average Distance: Correct
- Maximum Distance: Correct # of Recursive Calls: Correct
- [-] For input 08:
- Sorting: Correct
- # of Swaps: Correct
- Average Distance: Correct
- Maximum Distance: Correct
- # of Recursive Calls: Correct
- [-] For input 09:
- Sorting: Correct # of Swaps: Correct
- Average Distance: Correct Maximum Distance: Correct # of Recursive Calls: Correct
- [-]For input 10:
- Sorting: Correct
- # of Swaps: Correct
- Average Distance: Correct
- Maximum Distance: Correct # of Recursive Calls: Correct
- [-] For input 11:
- Sorting: Correct
- # of Swaps: Correct Average Distance: Correct
- Maximum Distance: Correct # of Recursive Calls: Correct
- [-] For input 12:
- Sorting: Correct # of Swaps: Correct
- Average Distance: Correct
- Maximum Distance: Correct
- # of Recursive Calls: Correct
- [-] For input 13:
- Sorting: Correct # of Swaps: Correct
- Average Distance: Correct Maximum Distance: Correct
- # of Recursive Calls: Correct [-]For input 14:
- Sorting: Correct # of Swaps: Correct
- Average Distance: Correct Maximum Distance: Correct
- # of Recursive Calls: Correct
- [-] For input 15:
- Sorting: Correct # of Swaps: Correct
- Average Distance: Correct Maximum Distance: Correct
- # of Recursive Calls: Correct

```
[-]For input 16:
 Sorting: Correct
 # of Swaps: Correct
 Average Distance: Correct
 Maximum Distance: Correct
 # of Recursive Calls: Correct
 [-] For input 17:
 Sorting: Correct
# of Swaps: Correct
 Average Distance: Correct
 Maximum Distance: Correct
 # of Recursive Calls: Correct
 [-] For input 18:
 Sorting: Correct
# of Swaps: Correct
 Average Distance: Correct
 Maximum Distance: Correct
 # of Recursive Calls: Correct
 [-] For input 19:
 Sorting: Correct
 # of Swaps: Correct
 Average Distance: Correct
 Maximum Distance: Correct
 # of Recursive Calls: Correct
 [-] For input 20:
 Sorting: Correct
 # of Swaps: Correct
 Average Distance: Correct
 Maximum Distance: Correct
 # of Recursive Calls: Correct
🖾 Submitted on Sunday, November 5, 2023, 9:25 PM (🕹 Download)
the1.cpp
// swaps the elements by taking their adresses void swapVar(unsigned short& var1,unsigned short& var2)
           unsigned short temp = var1;
var1 = var2;
var2 = temp;
           if ((arr[firstindex] < arr[midIndex] && arr[midIndex] < arr[lastIndex]) || (arr[lastIndex] < arr[midIndex] && arr[midIndex] < arr[firstIndex])) //check for middle one
            }
else if ((arr[midIndex] < arr[firstIndex] && arr[firstIndex] < arr[lastIndex]) || (arr[lastIndex] < arr[firstIndex] && arr[firstIndex] < arr[midIndex])) //check for first one
            }
else if ((arr[midIndex] < arr[lastIndex] && arr[lastIndex] < arr[firstIndex]) || (arr[firstIndex] < arr[lastIndex] && arr[lastIndex] < arr[midIndex])) //check for last one
```

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| Section | Sect
        test.cpp
        VPL
```