DSA – L5 (CS C 363 / IS C 363)









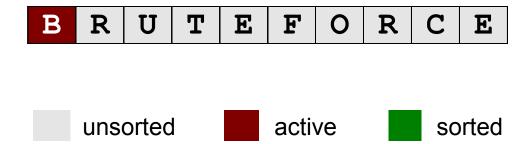




### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

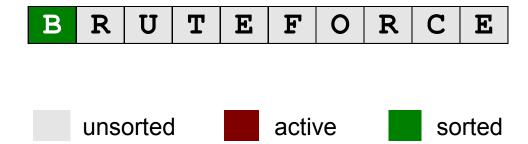
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

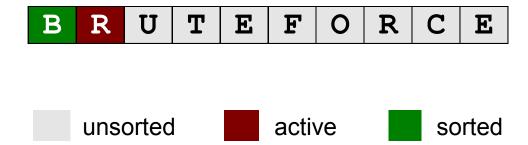
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

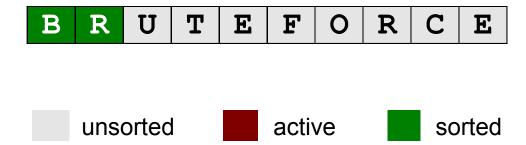
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

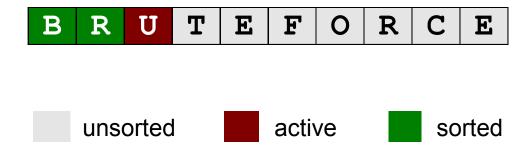
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

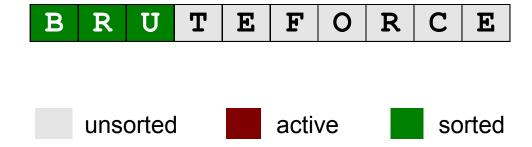
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

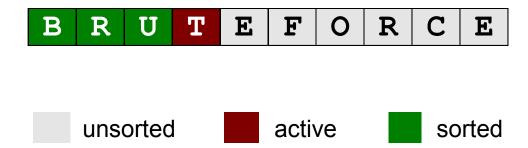
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

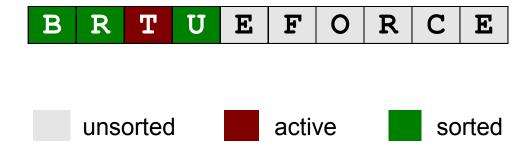
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

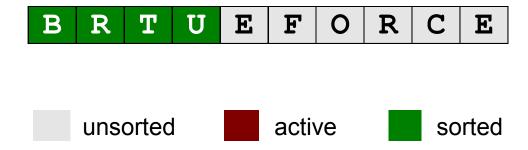
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

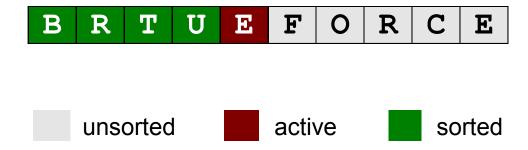
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

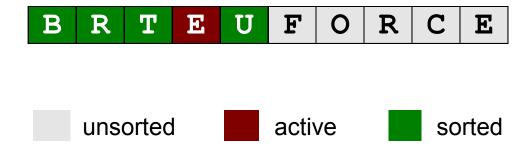
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

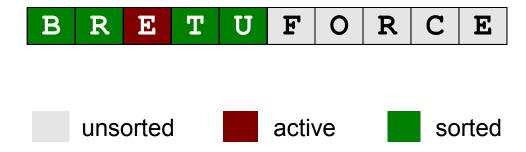
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

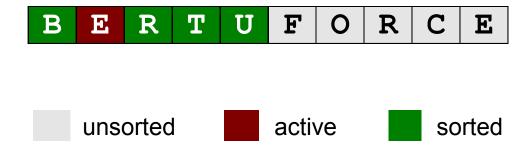
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

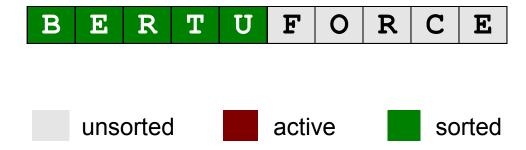
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

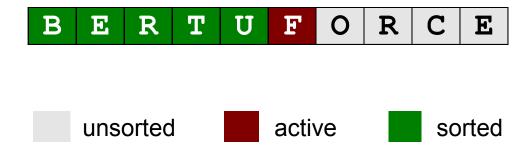
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

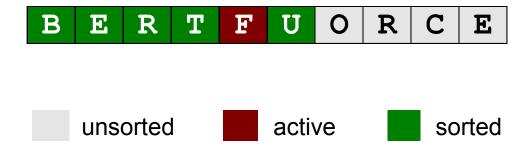
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

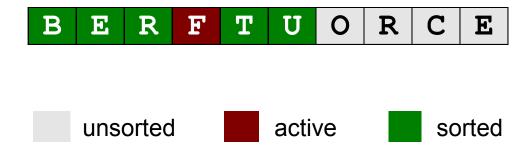
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

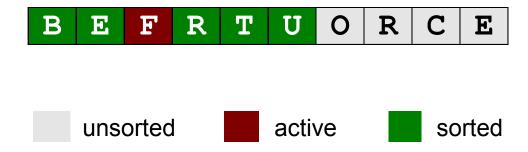
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

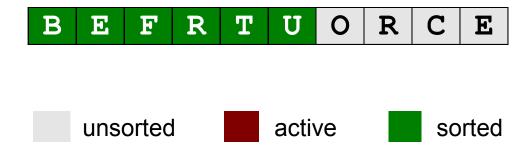
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

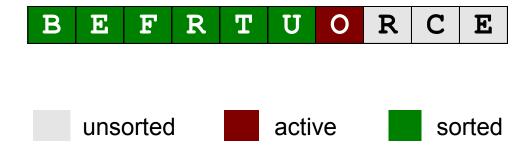
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

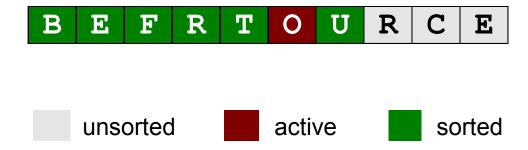
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

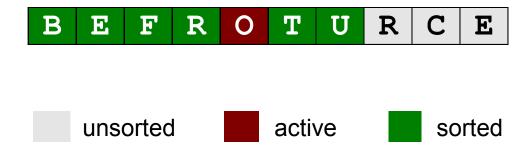
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

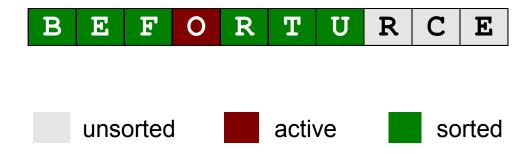
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

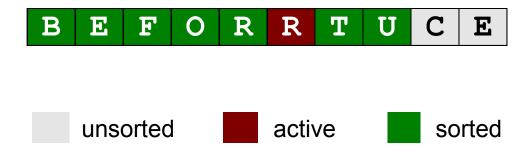
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

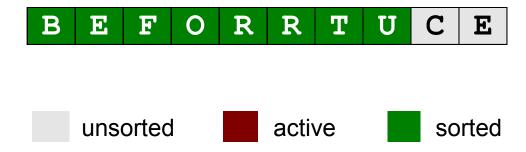
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

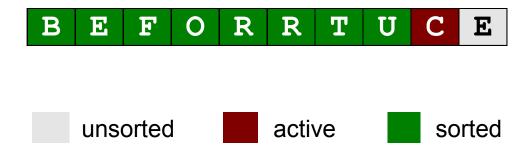
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

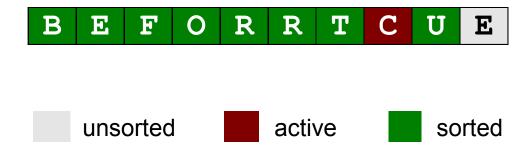
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

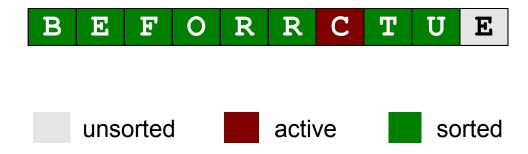
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

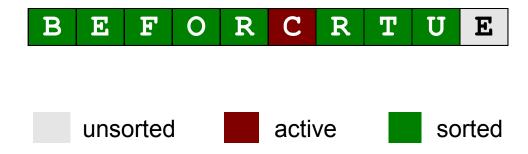
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



### **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

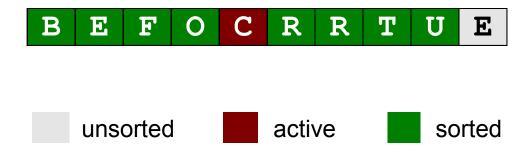
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

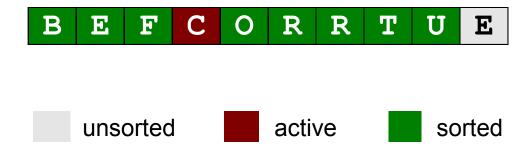
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

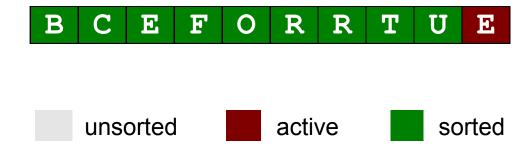
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

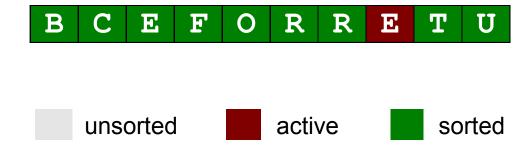
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

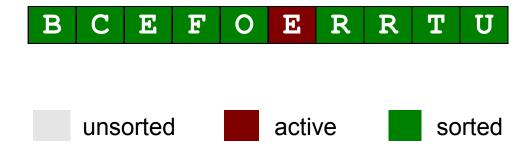
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

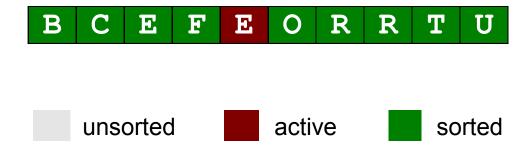
- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.



## **Sorting problem:**

Given an array of N integers, rearrange them so that they are in increasing order.

- Brute-force sorting solution.
- Move left-to-right through array.
- Exchange next element with larger elements to its left, one-by-one.

