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Questions

blackbox and whitebox testing

1/1 point (graded)

Consider the following function:

```
/**
 * Sort a list of integers in nondecreasing order.  Modifies the list
 * so that
 * values.get(i) <= values.get(i+1) for all 0<=i<values.length()-1
 */
public static void sort(List<Integer> values) {
    // choose a good algorithm for the size of the list
    if (values.length() < 10) {
        radixSort(values);
    } else if (values.length() < 1000*1000*1000) {
        quickSort(values);
    } else {
        mergeSort(values);
    }
}
```

Which of the following test cases are likely to be boundary values produced by white box testing?

☐ the empty list

☐ 1, 2, 3

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☒ 9, 8, 7, 6, 5, 4, 3, 2, 1, 0

