

Check out Codility training tasks

Candidate Report: Anonymous

Test Name:

Summary Timeline

Test Score Tasks in Test

50 out of 100 points Time Spent Task Score

50%

CyclicRotation
Submitted in: Java 8

20 min
50%

TASKS DETAILS

1. **CyclicRotation**Rotate an array to the right by a given

Task Score 50%

Correctness

50%

Performance

Not assessed

Task description

number of steps.

An array A consisting of N integers is given. Rotation of the array means that each element is shifted right by one index, and the last element of the array is moved to the first place. For example, the rotation of array A = [3, 8, 9, 7, 6] is [6, 3, 8, 9, 7] (elements are shifted right by one index and 6 is moved to the first place).

The goal is to rotate array A K times; that is, each element of A will be shifted to the right K times.

Write a function:

```
class Solution { public int[] solution(int[] A, int K); }
```

that, given an array A consisting of N integers and an integer K, returns the array A rotated K times.

For example, given

$$A = [3, 8, 9, 7, 6]$$

 $K = 3$

the function should return [9, 7, 6, 3, 8]. Three rotations were made:

For another example, given

$$A = [0, 0, 0]$$

 $K = 1$

the function should return [0, 0, 0]

Given

Solution

Programming language used: Java 8

Total time used: 20 minutes

Effective time used: 20 minutes

Notes: not defined yet

Task timeline

0

16:54:03 17:13:14

Code: 17:13:14 UTC, java, final, show code in pop-up score: 50

Test results - Codility

```
A = [1, 2, 3, 4]
K = 4
```

the function should return [1, 2, 3, 4]

Assume that:

- N and K are integers within the range [0..100];
- each element of array A is an integer within the range [-1,000..1,000].

In your solution, focus on **correctness**. The performance of your solution will not be the focus of the assessment.

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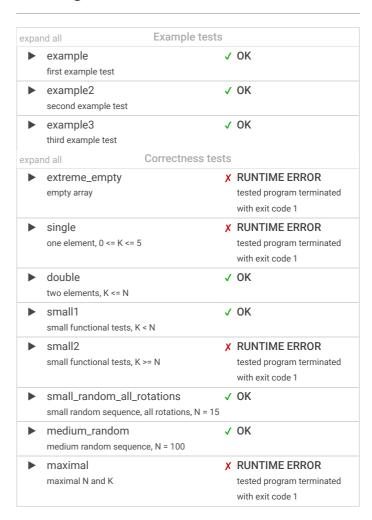
```
return a;
11
                       int[] r = new int[a.length];
12
13
                       for (int i = a.length - k; i < a.length; i</pre>
14
15
                                r[i - a.length + k] = a[i];
16
                       for (int i = 0; i < a.length - k; i++)</pre>
17
18
                                r[i + k] = a[i];
19
                       return r;
20
21
22
```

Analysis summary

The following issues have been detected: runtime errors.

For example, for the input ([], 1) the solution terminated unexpectedly.

Analysis ?



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