# codility

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## **Candidate Report: Anonymous**

Test Name:

Summary Timeline

Test Score

Tasks in Test

100 out of 100 points

100%

CyclicRotation
Submitted in: Python

3 min

Time Spent

Task Score

100%

#### TASKS DETAILS

CyclicRotation

Rotate an array to the right by a given number of steps. **Task Score** 

Correctness

100%

Performance

100% Not assessed

#### Task description

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:

def solution(A, K)

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

For example, given

#### Solution

Programming language used: Python

Total time used: 3 minutes

Effective time used: 3 minutes

Notes: not defined yet

Task timeline

0

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

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

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

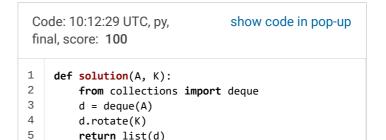
the function should return [1, 2, 3, 4]

Assume that:

- . N and K are integers within the range
- · 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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#### Analysis summary

The solution obtained perfect score.

return list(d)

### Analysis 2

expand all Example te		Example tests	S	
•	example		✓	OK
	first example test			
•	example2		✓	OK
	second example test			
•	example3		✓	OK
	third example test			
expa	xpand all Correctness tests			
•	extreme_empty		✓	OK
	empty array			
•	single		✓	OK
	one element, 0 <= K <=	= 5		
•	double		✓	OK
	two elements, K <= N			
•	small1		✓	OK
	small functional tests,			
•	small2		✓	OK
	small functional tests,			
	small_random_all	_	✓	OK
	small random sequen	ce, all rotations,		
	N = 15			017
	medium_random		✓	OK
	medium random sequ			
	maximal		✓	OK
	maximal N and K			

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