**6 kyu**

**Circularly Sorted Array**

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Write a method, isCircleSorted(int[] A) (**Java**, **JavaScript**), or Array#circularly\_sorted? (**Ruby**) that determines if A is circularly sorted. An Array is circularly sorted if the elements are sorted in ascending order, but displaced, or rotated, by any number of steps.

For Example:

// True:

isCircleSorted([2,3,4,5,0,1]);

isCircleSorted([4,5,6,9,1]);

isCircleSorted([10,11,6,7,9]);

isCircleSorted([1,2,3,4,5]);

isCircleSorted([5,7,43,987,-9,0]);

// False:

isCircleSorted([4,1,2,5]);

isCircleSorted([8,7,6,5,4,3]);

isCircleSorted([6,7,4,8]);

isCircleSorted([7,6,5,4,3,2,1])

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\*/

package javaapplication31;

/\*\*

\*

\* @author Usuario

\*/

public class JavaApplication31 {

public static boolean isCircleSorted(int[] a) {

//TODO

int min= Integer.MAX\_VALUE, ind\_min = -1;

for(int i =0; i<a.length; i++) {

if(a[i] < min) {

min = a[i];

ind\_min = i;

}

}

for(int i = ind\_min; i + 1< a.length; i++) {

if(a[i] > a[i+1]) {

return false;

}

}

for(int i =0; i + 1<ind\_min; i++) {

if(a[i] > a[i+1]) {

return false;

}

}

return true;

}

public static void main(String[] args) {

// TODO code application logic here

int[] a = {2,3,4,5,0,1};

System.out.println(isCircleSorted(a));

}

}