

Exercise: Cyclically Shifted Array

Challenge yourself with an exercise in which you'll have to return the index of the smallest number in a cyclically shifted array.

We'll cover the following



- Problem
- Coding Time!

Problem

You are required to write a function that determines the index of the smallest element of the cyclically shifted array.

An array is “**cyclically shifted**” if it is possible to shift its entries cyclically so that it becomes sorted.

The following list is an example of a cyclically shifted array:

```
A = [4, 5, 6, 7, 1, 2, 3]
```

Below are all the possible cyclic shifts of an array:

Array A

1	2	3	4	5	6	7
---	---	---	---	---	---	---

Cyclic Shifts

2	3	4	5	6	7	1
---	---	---	---	---	---	---

5	6	7	1	2	3	4
---	---	---	---	---	---	---

3	4	5	6	7	1	2
---	---	---	---	---	---	---

6	7	1	2	3	4	5
---	---	---	---	---	---	---

4	5	6	7	1	2	3
---	---	---	---	---	---	---

7	1	2	3	4	5	6
---	---	---	---	---	---	---

Coding Time!

Your task is to return the index of the smallest number in the list **A** (cyclically shifted array) from the function **find(A)** given in the code widget below.

Good luck!

```
def find(A):  
    pass
```

