



# Cyclically Rotate Array

way-1

The brute force



what I think is store the last element  
in a variable

$\text{int last} = \text{arr}[n-1]$

and run a for loop where  $i = n-1$  to  $0$

and then  $\text{arr}[i] = \text{arr}[i-1]$

careful note  
never take  $i$  to  $i+1$   
because if you do this then  
 $\text{arr}[i+1] = \text{arr}[i]$   
it will overwrite the further block  
like:  

2	2	3	4	5	6	7
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 $\text{arr}[i] \quad \text{arr}[i+1]$   
if we do  $\text{arr}[i+1] = \text{arr}[i]$   
even values are  

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

  
now  $\text{arr}[i] \quad \text{arr}[i+1]$   

2	2	2	4	5	6	7
---	---	---	---	---	---	---

  
and at the end everything will  
be overwrite by first element.  

2	2	2	2	2	2	2
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The moral is  
if you want that  
start with end of  
loop so values  
don't over-write

at the end we change  $\text{arr}[0] = \text{last};$

Time complexity

$O(n)$

