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•	Cyclic Sort: Cycle sort is our En place, unstable sorting algorithm
*	when given not from range -> (1,N) we cycle sont.
•	working :- 3 5 2 1 4
	when the array is sorted, in that case all the no are going to be at their correct index.
	So, after sorting: - [1]2 3 4 5]
	80, index = (value -1)
	Check - Swap - Move y
	worst case > O(n2)
	why? 0 1 2 3 4 3 5 2 1 4
?>	check is 3 at connect index. if not do \Rightarrow 3-1 = 2 (index = value-1)

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	then swap it with index no 2.
	after sumpling we know that 3 is at correct ender. Now theck for 2.
	2,513,1,4
1117	Swap 2 with Ender 1 value. 5, 2, 3, 1, 4
90>	Check for 5 and swap with index
	0 1 2 3 4
	(y), 2, 3, 1, 5
V	Check for 4 and soap it with gudesc 3. (value -1).
	1, 2, 3, 4, 5
VÎV.	Now every element is at correct index
	Sonted array: - [1] 2 3 4 5

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	a la sublementation :-
•	Code implementation:
	Phyloget Soup, util. *;
	import java. util. *; public class main
	& prem
	s public static void moin (String [] ange)
	\$ 1
	int[] an = \$3,1,4,2,53°
	Cuela (coo)
	Sout (Arrays. tostring (arr));
	y
	(-151)
	static void cycle (int [] arn)
E yek	2
	Put nûn = arr[0]; for (înt i=1; ixarr-length; i++)
	ton (int i=1; ixanoleugth; ett)
	P .
	if (arr [i] < nin)
MARCH	
	nûn = arrtij;
	2
	y
	2=0
	while (i < arr. length)
	e e
	int correct = arr [i] - min;
	if (anti] != ann [Gonnect])
	£.
	ent temp = contij;

