

Part2	ENERALI	
a) "method A" function has single leach element of the array by a the	The state of the s	
time complexity can be expressed as $O(n)$		
and call "method A" for each e	element. Now in times to	
and n times there loop = $O(n^2)$		
Second Loop => Accessing and prin	ting each element is 0	
There is two parts but we're loo	tiny for the worst. co	
worst-case time comp. is	0(02)	
. (1) 4	7	
그는 사람들이 없는 사람들이 가는 아내는 아들이 살아 하나 사람들이 되었다면 하는 것이 없는 것이다.	". We have already find	
method B's time comp.	Outer loop nemode	
그는 사람들이 가면 하면 살이 내려가 되었다면 하면 되었다면 나가 먹는 사람이 되는 사람이 되는 것이 되는데 그 사람이 되었다면 되었다면 되었다면 되었다.	Outer 100P	
So, the overall worst-case time a	one. $\rightarrow 0.0.0^2 \Rightarrow 000^4$	
method R's time comp.	Printing and according ho	
So, the overall worst-case time a d) There is a loop iterates "a times". constant time operations. But, since	Printing and accessing how the index is inside the local	
So, the overall worst-case time a d) There is a loop iterates "a times". constant time operations. But, since is manipulated, the loop is infinity	Printing and accessing ho dymore.	
So, the overall worst-case time and) There is a loop iterates "a time." constant time operations. But, since	Printing and accerting ho the index i inside the local dymore.	
So, the overall worst-case time and) There is a loop iterates "n times". constant time operations. But, since is manipulated, the loop is infinity. Worst-case time comp. cannot be	Printing and accessing how the index i inside the local dymore. The determined in this case the country sticked.	
So, the overall worst-case time and of there is a loop iterates in times". constant time operations. But, since is manipulated, the loop is infinity. Worst-case time comp. cannot be because the loop never terminates. It	Printing and accessing how the index is inside the local daymore. The determined in this case the error, throwing stickers.	
So, the overall worst-case time and of there is a loop iterates in times". constant time operations. But, since is manipulated, the loop is infinity. Worst-case time comp. cannot be because the loop never terminates. It	Printing and accessing how the index is inside the local daymore. The determined in this case the error, throwing stickers.	
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So, the overall worst-case time a d) There is a loop iterates in time: ". constant time operations. But, since is manipulated, the loop is infinity. Worst-case time comp. cannot be because the loop never terminates. I cannot be determined e) The loop checks each element breaks the loop when it finds an en	Printing and accessing how the index is inside the local disympte. The determined in this case this error, throwing stacked in the stacked i	
So, the overall worst-case time and of the content time operations. But, since is manipulated, the loop is infinity. Worst-case time comp. cannot be because the loop never terminates. I cannot be determined. Connet be determined. The loop checks each element breaks the loop when it finds an enfor the worst. This means the loop.	Printing and accessing how the index is inside the local dymore. The determined in this case this error, throwing stucked in the entire arg. So there we have stucked in the entire arg. So	
So, the overall worst-case time and of there is a loop iterates in time: ". constant time operations. But, since is manipulated, the loop is infinity. Worst-case time comp. cannot be because the loop never terminates. I cannot be determined. Connet be determined. The loop checks each element.	Printing and accessing how the index is inside the local dymore. The determined in this case this error, throwing stuckers when the it condition is the string. But we're look the entire arry. So see O(n), n is some of	
So, the overall worst-case time and of the content time operations. But, since is manipulated, the loop is infinity. Worst-case time comp. cannot be because the loop never terminates. I cannot be determined. (annet be determined to the loop when it finds an enfor the worst. This means the loop.	Printing and accessing how the index is inside the local dymore. The determined in this case this error, throwing stucked in the entire arg. So there we have stucked in the entire arg. So	

基场	
(Part 3)	
a) Algorith:	
	than 2 ino difference can be found
생물들은 아이를 보면 하면 모든데 일어나 이 경우가 없어요? 이 아름다면 살 살아 없었다면 하는데 하는데 하면 하는데	ween the last element and the first
element of the array. Becau.	se array is ascending order.
2. Return 'max-difference'	
	who has a second of the second
Pseudo-Code:	Control of the Contro
func MaxDiffSorted (a	rroy A)
if length(A) < 2	
return -1	
max-diff = A [lengt	6(A)-1]-A[0]
return max-diff	
Exp:	
Since the array is sorted	d in ascending order, the roust element-
first element will give us	the result.
The algorithm has 0(1)	in the worst-case.
Assembly to the second	
b) Algorithm:	n and the transfer of the contract of the cont
O. If the array size is less that	on 2 ino difference can se found.
1. Find the min element a	nd its index in the array.
2. Find the max element a	and " " " " .
3. Calculate the difference	between max element and mun elemen
4. Return result:	
Pseudo Code	
func Maxovreunsorted lar	ray A)
IF length (A) < 2	for i from 1 to length (A)-1:
return -1	7 If A[i] < min
min = A[0]	$min = A I \Omega$
max = A[O]	else if A[] > max
	Max= A[i]
	return max-min

Explanation:	GENERALI
· This algorithm iterates through the array and find	
both min and max elements.	
· After finding, it calculates the difference between	en them.
* This algorithm operates in linear time comp. since array is	it traverses the
· Worst-case time complexity:	oil oice.
It is O(n), n is side of the array. This is be	come it needs
to traverse the entire array once to And both	