

Write a program to print the next larger element for every element in the given array.

Input Format

size of the array and the elements

Constraints

NIL

Output Format

element -> larger element

Sample Input 0

```
7
1 9 7 4 2 6 8
```

Sample Output 0

1->2			
9->			
7->8 4->6 2->4 6->7 8->9			
4->6			
2->4			
6->7			
8->9			