
Sort without duplicates (2)

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Write a function `sort_no_dup` that receives a list of integers, possibly including repeated entries, and returns a sorted list with the same integers without any repetition. The solution *must use compulsorily* a binary search tree (BST).

Input

The function receives a list of integers as a parameter.

Output

The function returns as a result a list of integers sorted and without duplicate elements.

Observation

Besides integers, only a total of three data structures are to appear in your solution: the parameter list, the returned resulting sorted list, and one BST to be implemented by you.

Problem information

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