**7 kyu**

**Lost number in number sequence**

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C#

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An ordered sequence of numbers from 1 to N is given. One number might have deleted from it, then the remaining numbers were mixed. Find the number that was deleted.

Example:

* The starting array sequence is [1,2,3,4,5,6,7,8,9]
* The mixed array with one deleted number is [3,2,4,6,7,8,1,9]
* Your function should return the int 5.

If no number was deleted from the array and no difference with it, your function should return the int 0.

Note that N may be 1 or less (in the latter case, the first array will be []).

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public static int FindDeletedNumber(List<int> startingList, List<int> mixedList)

{

//return 0;

return startingList.Sum() - mixedList.Sum();

}