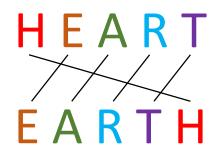
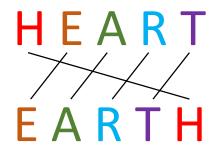
HW3 Tree Anagrams





Anagrams

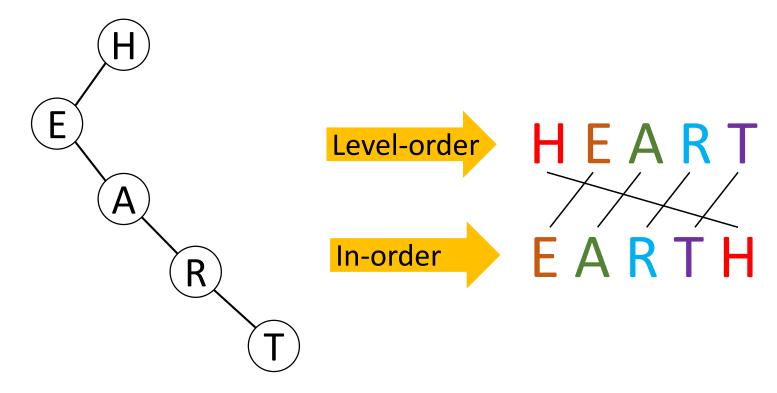
• "變位字" in Chinese





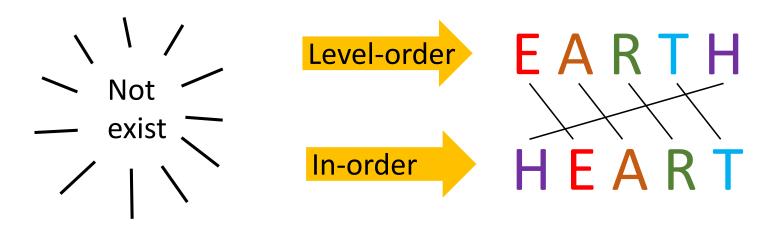
"Tree" Anagrams

• Our definition:

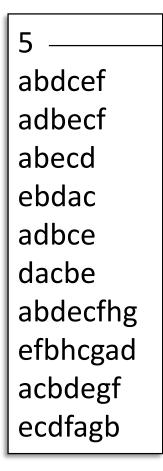


Not All Anagrams are Valid Trees

 If we want "EARTH" to be the level-order sequence and "HEART" to be the in-order sequence, the tree does not exist



Input

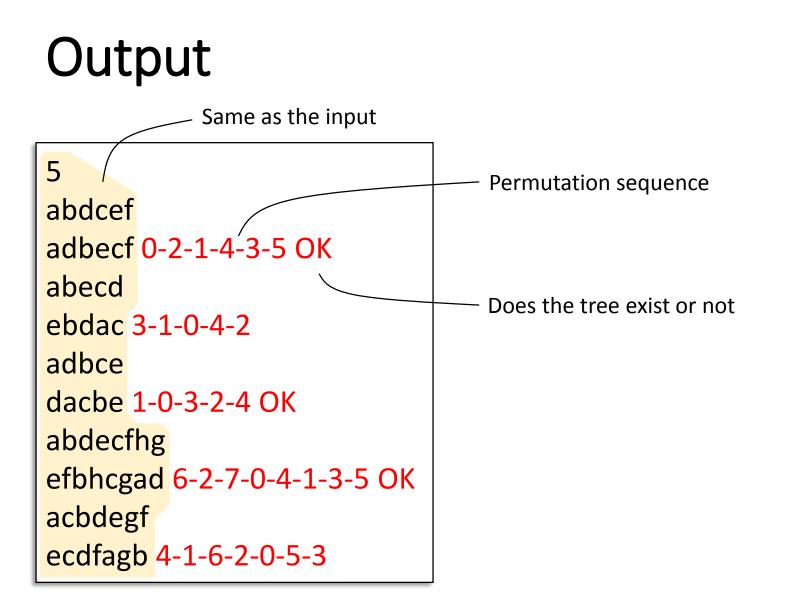


Number of sequence pairs

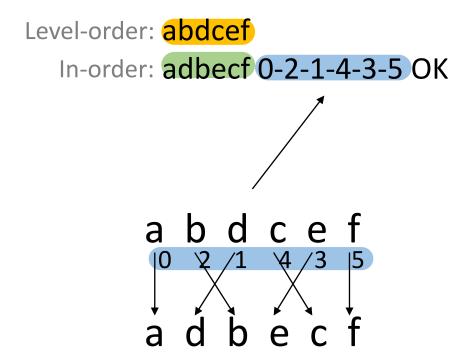
Level-order sequence

In-order sequence

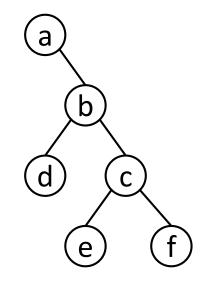
(A letter is used exactly once in a sequence)



Example



The tree does exist



Grading

- By default 50 + 5 * the number of passed test cases
 - +10% bonus if you complete the homework by 6/4
 - Due 6/18
- O credit for all similar (i.e., plagiarized) codes (no matter which one is original)
 - Don't ask others for codes
 - Don't directly copy codes on the Internet
 - Don't submit others' codes to either iLMS or Online Judge
 - Don't publish your codes or give your codes to others