

LaTex Template

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Question

Given an array of strings `strs`, group the anagrams together and return the result as a list of groups. You may return the groups in any order. An *anagram* is a word formed by rearranging the letters of another word, using all the original letters exactly once.

Examples

- **Input:** `strs = ["eat", "tea", "tan", "ate", "nat", "bat"]`
Output: `[["bat"], ["nat", "tan"], ["ate", "eat", "tea"]]`
- **Input:** `strs = [""]`
Output: `[[""]]`
- **Input:** `strs = ["a"]`
Output: `[["a"]]`

Constraints

$1 \leq \text{strs.length} \leq 10^4$,
 $0 \leq \text{strs}[i].\text{length} \leq 100$,
`strs[i]` consists of lowercase English letters only.

Solution