Given a pattern and a string str, find if str follows the same pattern.

Here **follow** means a full match, such that there is a bijection between a letter in pattern and a **non-empty** word in str.

**Example 1:**

**Input:** pattern = "abba", str = "dog cat cat dog"

**Output:** true

**Example 2:**

**Input:**pattern = "abba", str = "dog cat cat fish"

**Output:** false

**Example 3:**

**Input:** pattern = "aaaa", str = "dog cat cat dog"

**Output:** false

**Example 4:**

**Input:** pattern = "abba", str = "dog dog dog dog"

**Output:** false

**Notes:**  
You may assume pattern contains only lowercase letters, and str contains lowercase letters that may be separated by a single space.