Given two strings s1 and s2, return true *if* s2 *contains a permutation of* s1*, or* false *otherwise*.

In other words, return true if one of s1's permutations is the substring of s2.

**Example 1:**

Input: s1 = "ab", s2 = "eidbaooo"  
Output: true  
Explanation: s2 contains one permutation of s1 ("ba").

**Example 2:**

Input: s1 = "ab", s2 = "eidboaoo"  
Output: false

**Constraints:**

* 1 <= s1.length, s2.length <= 104
* s1 and s2 consist of lowercase English letters.