Wood Pattern

For this problem we must check if the given pattern and string s from a bijection (one-to-one mapping) between characters and wads

Key Idea;

Islet s vito words by spaces

· Check if each character in pattern consistently maps to the same word and vice versa.

· Ensure byceteris:

· Each character maps to exactly one word.
· Each word maps to exactly one character.

Algorithm:

1. Islêt s by spaces -> get vector of words. 2. If pattern size ()! = words size() -> setur felse.

3. Use two hash mass:

·char To Void: map pattern character - word · word To Char: map word - pattern character

4. Itheto:

If mapping exists, check consistency.

If not, create new mapping.

5. If any mismatch - return folse, else return tree.

(Complexity:

· Time: O(u) (n = number of words or pattern length)
· Goa: O(u) for true maps.