## 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 words

[Key Tolea;]

Islet s vinto words by spaces

"Check if each character in pattern consistently maps to the same wool and vice versa.

· Ensure byccteris:

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

## Algorithm:1

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

3. Use two hash mass:

· char To Word: map pottern character - word - word To Char: map word - pattern character

4. Iterete:

If mapping exists, check consistency.

If not, create new mapping.

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

(Complexity:

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