Given two strings ransomNote and magazine

return true if ransomNote can be constructed

by using the letters from magazine

else false

e.g.

ransomNote = "a" magazine = "b"

→ false

e.g. 2

ransomNote: "aa" magazine = "ab"

→ false

ransomNote "aa" magazine = "aab"

→ true

create two hash tables

for each string

hashRansom = {

"a": 2

}

hashMag = {

"a": 1

"b": 1

}

for every key in Ransom

values must be the same

e.g. 'a' → 2 2 ≠ 1 → return false

'a' → 1

'a' → 1 a → contained → return false

Space O(N+M)

time O(N+M)

---

better solution - one dictionary from magazine

create ⟶ hashMag = {

'a': 2

'b': 1

}

for char in ransomNote

if char not in hashMag or hashMag[char] = 0:

return false

else