

Ransom Note

Bool can find (mag, word)

array of letters

2 approaches:

↳ Brute force - $\text{Time}(M \cdot n)$

↳ use a set?

◦ if letter exists, remove from set else return false

◦ Set can only contain one unique character

- Collision

↳ So use hash map ← or dictionary
if duplicates are allowed

$\begin{bmatrix} 1 & 1 \\ 2 & 2 \\ 3 & 1 \\ 4 & 3 \end{bmatrix}$

- heap - until you see a zero or a non empty num then return false

Time: $O(n) + O(m)$

Space: $O(26) \approx O(1) = O(1)$