

Given a matrix of $n \times n$ size, find whether all rows are circular rotations of each other or not.

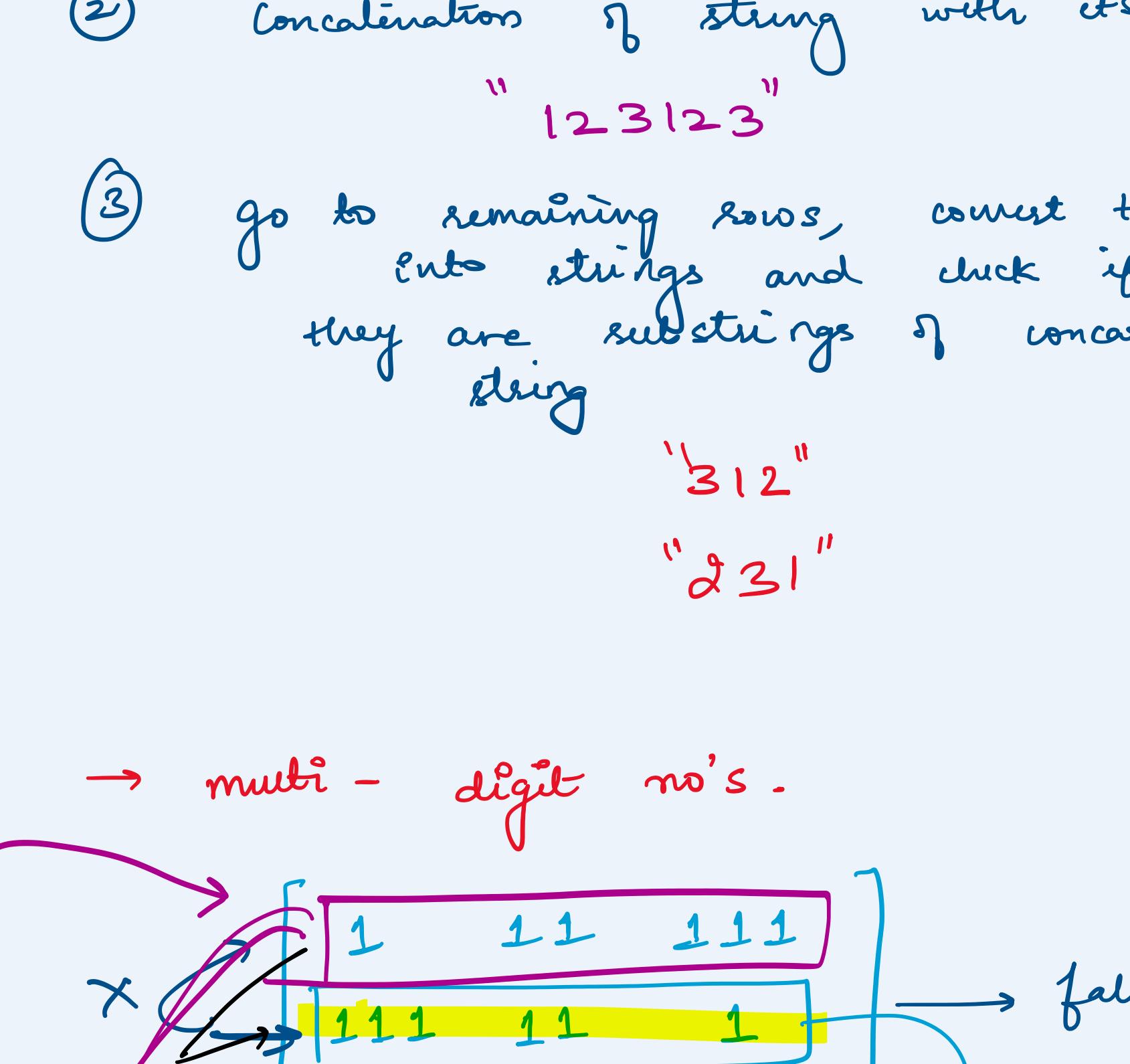
① mat \rightarrow ✓ $\begin{bmatrix} 1 & 2 & 3 \\ 3 & 1 & 2 \\ 2 & 3 & 1 \end{bmatrix}$

Output \rightarrow true

② mat \rightarrow $\begin{bmatrix} 1 & 2 & 3 \\ 3 & 2 & 1 \\ 1 & 3 & 2 \end{bmatrix}$

Output \rightarrow false

Given two strings, check if they are circular rotations of each other.



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

① first row and convert it into string "123"

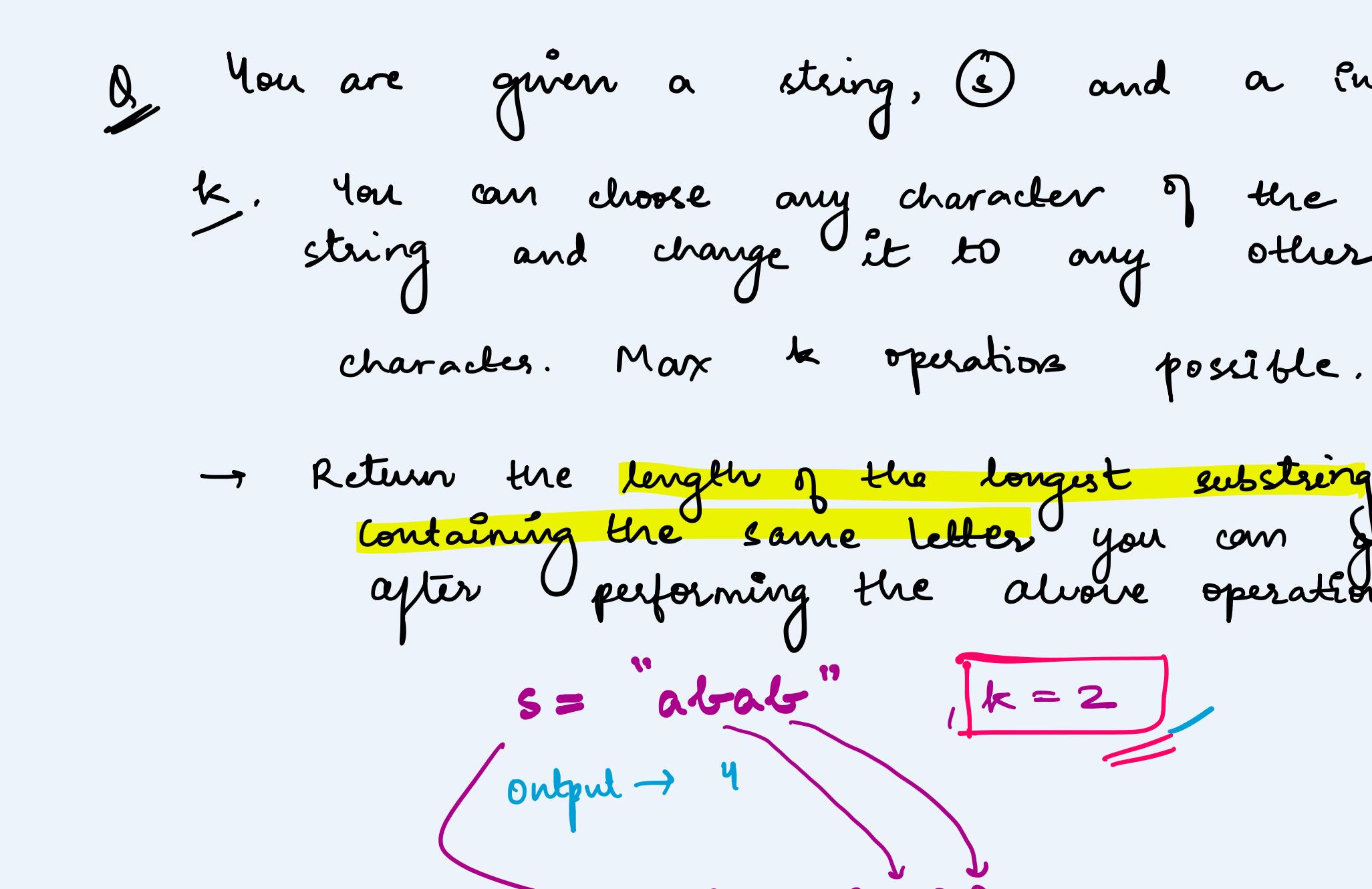
② concatenation of string with itself "123123"

③ go to remaining rows, convert them into strings and check if they are substrings of concatenated string

"312"

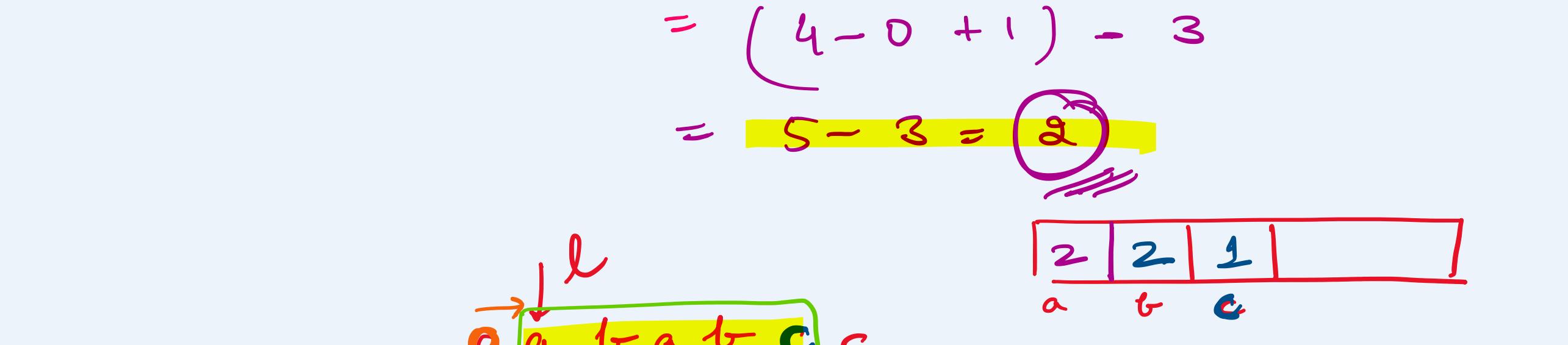
"231"

\rightarrow multi-digit no's.



Given a string s and a string array (dictionary), return the longest string in the dictionary that can be formed by deleting some of the given string characters.

In case of more than one result, return the longest word with the smallest lexicographical order.



\rightarrow subsequence

abpcplea

obpelea

abcpclea

abcpcaplea

ale

apple

monkey

plea

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