



Ask a Question



# Valid Word Abbreviation

Try to solve the Valid Word Abbreviation problem.

We'll cover the following



- Statement
- Examples
- Understand the problem
- Figure it out!
- Try it yourself

## Statement

Given a string `word` and an abbreviation `abbr`, return `TRUE` if the abbreviation matches the given string. Otherwise, return `FALSE`.

A certain word "calendar" can be abbreviated as follows:



- "cal3ar" ("cal end ar" skipping three characters "end" from the word "calendar" still matches the provided abbreviation)
- "c6r" ("c alendar r" skipping six characters "alendar" from the word "calendar" still matches the provided abbreviation)

The word "internationalization" can also be abbreviated as "i18n" (the abbreviation comes from skipping 18 characters in "internationalization", leaving the first and last letters "i" and "n").

The following are *not* valid abbreviations:

- "c06r" (has leading zeroes)
- "cale0ndar" (replaces an empty string)
- "c24r" ("c al enda r" the replaced substrings are adjacent)

### Constraints:

- $1 \leq \text{word.length} \leq 20$
- word consists of only lowercase English letters.
- $1 \leq \text{abbr.length} \leq 10$
- abbr consists of lowercase English letters and digits.
- All the integers in abbr will fit in a 32-bit integer.

## Examples



1 of 3



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## Understand the problem

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Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:



## Valid Word Abbreviation

1

What is the output if the following word and its abbreviation are given as input?

word = "obedience," abbr = "obe3nce"

**Reset Quiz** 

Question 1 of 3  
0 attempted

**Submit Answer**

## Figure it out!



We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.



## Sequence - Vertical

Drag and drop the cards to rearrange them in the correct sequence.

0

1

2

3

4

5

?

Tt



 Reset Show Solution Submit

## Try it yourself

Implement your solution in the following coding playground.

 Java

 

 > **Solution.java**   Saved | ^

```
public class Solution{  
    public static boolean validWordAbbreviation(String word, String abbr) {
```

  Run Submit

 ?  
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 ⚙

**Test Cases****Results****Code Feedback**

BETA



Valid Word Abbreviation

 **Back lesson****Mark As Completed****Next** 

Solution: Reverse Words in a String

Solution: Valid Word Abbreviation

