

Implement BWMatching

Input: A string $\text{BWT}(\text{Text})$, followed by a collection of strings Patterns .

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Input: A string $BWT(Text)$ and a space-separated list of strings $Patterns$.

Constraints

- The length of $\text{BWT}(\text{Text})$ will be between 1 and 10^4 .
- The number of strings in Patterns will be between 1 and 10^1 .
- The length of any given string in Patterns will be between 1 and 10^4 .

Test Cases

Case 1

Description: The sample dataset is not actually run on your code.

Input:

```
TCCTCTATGAGATCCTATTCTATGAAACCTTCA$GACC AAAATTCTCCGGC
CCT CAC GAG CAG ATC
```

Output:

```
2 1 1 0 1
```

Case 2

Description: A larger dataset of the same size as that provided by the randomized autograder. Check input/output folders for this dataset.