3H Reconstruct a String from its k-mer Composition

String Reconstruction Problem
Reconstruct a string from its k-mer composition.

Input: A collection of k-mers *Patterns*.
Output: A string *Text* with k-mer composition equal to *Patterns*.

Formatting

Input: A space-separated list of k-mer strings *Patterns*.
Output: A string *Text* with k-mer composition equal to *Patterns* (if multiple answers exist, you may return any one).

Constraints

- The number of strings in *Patterns* will be between 1 and 10^4.
- The length of any one pattern in *Pattern* will be between 1 and 10^2.

Test Cases

Case 1

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

Input:

```
3
ACG CGT GTG TGT GTA TAT ATA
```

Output:

```
ACGTGTATA
```

Case 2

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

Input:

```
2
GG AC GA CT
```

Output:

```
GGACT
```

Case 3

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

Input:

```
3
AAC AAC ACG ACT CGA GAA
```

Output:

```
AACGAACT
```

Case 4

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

Input:

```
4
CTAC CTCC TCCT ACTC CCTC CCTA TACT
```

Output:

```
CCTACTCCTC
```

Case 5

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

Input:

```
3
CCC CCC CCC TCC CCC CCG CCC CCC CCC
```

Output:

```
TCCCCCCCCCG
```

Case 6

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

Input:

```
2
AG AT AA GA GG GT TA TG TT AT
```

Output:

```
AAGTTGGATAT
```

Case 7

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

Input:

```
3
ACG CGT GTA TAC
```

Output:

```
ACGTAC
```

Case 8

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