

Approximate Pattern Count

Input: Strings *Pattern* and *Text* along with an integer d .

Output: $\text{Count}_d(\text{Text}, \text{Pattern})$

SAMPLE DATASET:

Input:

GAGG

TTTAGAGCCTTCAGAGG

2

Output:

4

The sample dataset is not actually run on your code.

TEST DATASET 1:

Input:

AA

AAA

0

Output:

2

This dataset first checks that your code is returning a value larger than 0 (returning a value of 0 would imply that your code is probably flipping the two lines). Then, it checks that your code is correctly handling overlapping occurrences (i.e. returning 2 instead of 1).

TEST DATASET 2:

Input:

ATA

ATA

1

Output:

1

This dataset checks if your code is allowing occurrences with less than d mismatches (which it should). It is a common mistake to only allow occurrences with exactly d mismatches, whereas we want all occurrences with less than or equal to d mismatches.