



TopCoder will ensure the validity of the inputs. Inputs are valid if all of the following criteria are met:

- \* text is from 0 to 50 characters in length inclusive
- \* text consists only of the space character and the lowercase letters 'a' through 'z' inclusive

#### EXAMPLES

E0: "aabbcbdc" ==> {1,2,3}

This example contains several sequences of length 2. At offset 1 using an interval of 2 the sequence of length 3 "abc" is found, and again "abc" is found starting at offset 1 using an interval of 3. Starting at offset 4 using an interval of 1 the sequence "bcd" is found. So there are three sequences having the longest length of 3. Rule R1 is applied first and eliminates the sequence "bcd". Rule R2: is applied next and selects the sequence using the interval of 2 rather than the sequence using the interval of 3. And so the final result is the sequence "abc" starting at offset 1, using an interval of 2, having length 3.

E1: "z abc" ==> {2,1,3}

The offset is 2 because a space cannot start a sequence)

E2: "aabbcc" ==> {0,2,3}

The sequence {1,2,3} has the same length, is alphabetically equivalent, has the same interval value, but the returned sequence is the one with the smaller offset.

E3: "" ==> {0,0,0}

E4: "a" ==> {0,0,0}

E5: "ace" ==> {0,0,0}

E6: "abc" ==> {0,1,3}

E7: "cba" ==> {2,2,3}

E8: "fhjbd ik eg lc" ==> {3,5,11}

E9: "better study this example" ==> {5,1,4}

E10: "bridge freezes before road surface" ==> {3,2,3}

E11: "the quick brown fox jumps over the lazy dog again" ==> {40,37,3}