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Questions

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subsequences again

1/1 point (graded)

Recall this implementation of subsequences() from the start of the reading:

```
public static String subsequences(String word) {
    if (word.isEmpty()) {
        return ""; // base case
    } else {
        char firstLetter = word.charAt(0);
        String restOfWord = word.substring(1);

        String subsequencesOfRest = subsequences(restOfWord);

        String result = "";
        for (String subsequence : subsequencesOfRest.split(",", -1)) {
            result += "," + subsequence;
            result += "," + firstLetter + subsequence;
        }
        if (result.startsWith(",")) result = result.substring(1);
        return result;
    }
}
```

For subsequences ("123456"), how deep does its recursive call stack get? How many recursive calls to subsequences () can be active at the same time?



The caus are 123456 , 23456 , 3456 , ..., 56 , 6 , 7, 10r a total of ℓ .



5 Show Answer

Answers are displayed within the problem

