Quiz

1. *What is the primary difference between KMP and basic string searching?*
   1. KMP is a greedy algorithm, making it less accurate and leading to potential miscalculations
   2. KMP uses less memory space than basic string searching
   3. Basic string searching iterates over each character of String A more times than KMP
   4. There is no significant difference between KMP and basic string searching
2. *What are the time complexities of KMP and basic string searching*
   1. KMP: O(n), Basic: O(n)
   2. KMP: O(n^2), Basic: O(n)
   3. KMP: O(n), Basic: O(2^n)
   4. KMP: O(n), Basic: O(n^2)

Solutions on next page

Solutions

1. *C*
2. *D*