

Quiz

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

Solutions on next page

Solutions

1. *C*
2. *D*