Theory

Deletion of string in an array is the combination of pattern matching, substring copy and concatenation algorithms that we had implemented in LAB2 and LAB3.

Parameters Requirement

Initial Position of Pattern in Text. → from pattern matching.

Length of Text.

Length of Pattern.

**For Task-1**

No sub string and no concatenation.

Need to make the reverse logic from the length of the Pattern + 1 from the position in an array, as we have done the inverse in Lab 0.

Text = ABCDEFGHIJ

Pattern = CDE

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | G | H | I | J |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Change the values of A[3] – Position from A[6]

Similarly

A[4] = A[7]

A[5] = A[8]

A[6] = A[9]

A[7] = A[10]

Rest of the element after A[7] would be NULL.

No. requirement of extra array.