// Input:

// X: a string, Y: a string, m: length of X, n: length of Y

// Z: result LCS string

LCS(X, Y, m, n)

1. c = 1
2. for i = 1 to m
3. for j = 1 to n
4. if Xi = Yj
5. Zc = Xi
6. c++
7. D = j++
8. else if j = n
9. j = D
10. for i = 1 to c.length
11. print c[i]