

Computing LCS Using the Table Method

	j	0	1	2	3	4	5	6	7	8	9
i			A	L	I	G	N	M	E	N	T
0		0	0	0	0	0	0	0	0	0	0
1	A	0	1	1	1	1	1	1	1	1	1
2	L	0	1	2	2	2	2	2	2	2	2
3	G	0	1	2	2	3	3	3	3	3	3
4	O	0	1	2	2	3	3	3	3	3	3
5	R	0	1	2	2	3	3	3	3	3	3
6	I	0	1	2	3	3	3	3	3	3	3
7	T	0	1	2	3	3	3	3	3	3	4
8	H	0	1	2	3	3	3	3	3	3	4
9	M	0	1	2	3	3	3	4	4	4	4

Output: ALGT