

Complete the c -table for the sequences ACGAAACGGC and GCGTCATC.

j

$C:$

		⁰	¹ G	² C	³ G	⁴ T	⁵ C	⁶ A	⁷ T	⁸ C
⁰		0	0	0	0	0	0	0	0	0
¹	A	0	0	0	0	0	0	1	1	1
²	C	0	0	1	1	1	1	1	1	2
³	G	0	1	1	2	2	2	2	2	2
⁴	A	0	1	1	2	2	2	3	3	3
⁵	A	0	1	1	2	2	2	3	3	3
⁶	A	0	1	1	2	2	2	3	3	3
⁷	C	0	1	2	2	2	3	3	3	4
⁸	G	0	1	2	3	3	3	3	3	4
⁹	G	0	1	2	3	3	3	3	3	4
¹⁰	C	0	1	2	3	3	4	4	4	4*

LCS length for A, C is 4
C, A, G, C

LCS is $\langle C, G, A, C \rangle$