

i	L	LCS	$Node$			W
0	1	0	\$	\$	\$	T
1	1	0	C	G	A	C
2	1	1	\$	T	A	C
3	0	0	G	A	C	G
4	1	3	G	A	C	T
5	1	2	T	A	C	G-
6	1	1	G	T	C	G
7	0	0	A	C	G	A
8	1	3	A	C	G	T
9	1	2	T	C	G	A-
10	1	0	\$	\$	T	A
11	1	1	A	C	T	\$
12	1	1	C	G	T	C

Diagram illustrating sequence alignment and dynamic programming results. The table shows values for i , L , LCS , $Node$, and W .

Annotations:

- Blue highlights: $(1,1)$ to $(2,3)$ and $(3,1)$ to $(3,3)$.
- Orange highlights: $(6,1)$ to $(6,3)$ and $(12,1)$ to $(12,3)$.
- Red dashed boxes: $(4,1)$ to $(4,3)$, $(8,1)$ to $(8,3)$, and $(11,1)$ to $(11,3)$.
- Arrows labeled $3.bwd()$ point from $(2,3)$ to $(3,2)$ and from $(6,3)$ to $(12,3)$.