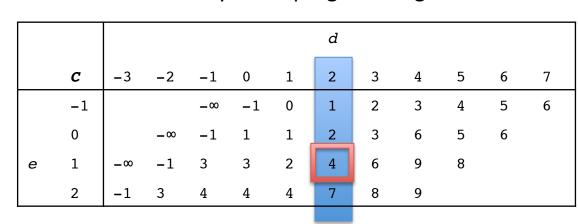
## Semi-global alignment

*Traditional* dynamic programming table

		0	1	2	3	4	5	6	7	8	9
	M	-	A	G	G	Т	A	Т	С	G	С
0	1	0	0	0	0	0	0	0	0	0	0
1	A	1	0	1	1	1	0	1	1	1	1
2	Т	2	1	1	2	1	1	0	1	2	2
3	G	3	2	1	1	2	2	1	1	1	2
4	G	4	3	2	1	2	3	2	2	1	2
5	С	5	4	3	2	2	3	3	2	2	1

## **Alternate** dynamic programming table



C(e,d) = last column in M on d-diagonal that contains e edits.

$$C(1,2) = 4$$