

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

$H[i][j]$

$$= \max \begin{cases} 0 \\ H[i-1][j-1] + [+3 - 3] & \text{if } s_i = t_j \\ H[i-1][j] - 2 * k & \text{if } s_i \neq t_j \\ H[i][j-1] - 2 * k & \text{if } s_i \neq t_j \end{cases}$$