$$H(i,j) = max \begin{cases} H(i-1, j-1) + w(a_i, b_j) & \text{Match/Mismatch} \\ H(i-1, j) + w(a_i, -) & \text{Deletion} \\ H(i, j-1) + w(-, b_j) & \text{Insertion} \end{cases}, 1 \leq i \leq m, 1 \leq j \leq n$$

$$w(\text{match}) = +2; \quad w(a, -) = w(-, b) = w(mismatch) = -1$$

/	–	A	N	A	N	A	S
–	0	0	0	0	0	0	0
B	0	0	0	0	0	0	0
A	0	2	1	2	1	2	1
N	0	1	4	3	4	3	2
A	0	2	3	6	5	6	5
N	0	1	4	5	8	7	6
E	0	0	3	4	7	7	6