Algorithm: MAP model construction

Initialisation:
\[ S_0 = 0, \quad M_l = 1 = 0. \]

Recurrence: for \( j = 1, \ldots, L + 1: \)
\[ S_j = \max_{0 \leq i < j} S_i + T_{ij} + M_j + \lambda + \lambda_j. \]

Traceback: From \( j = \sigma_{L+1}, \) while \( j > 0: \)
\[ j = \sigma_j, \]
Mark column \( j \) as a match column.