

Assignment 40

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Assuming we already have the matrix δ , the problem breaks down into one of a few subproblems. Either the end of the two strings matches or it doesn't, just like in the book. In the case that it doesn't match, either string can have a space. Since we don't know which is which, we'll say that it can be any of these three. From there, it's a simple matrix lookup.

$$A(i, j) = \operatorname{argmax}_c(\delta(A(i-1, j) + 1, \delta(A(i, j-1), \delta(A(i-1, j-1))) \quad (1)$$