

3.11.5 Counting and Overall Complexity

There are mn terms $F(i, j)$ to be computed. Each min computation takes $O(n)$ steps. This leads to an overall complexity of $O(mn^2)$.

3.12 Bibliographic Remarks

The principle of dynamic programming is attributed to Bellman [8, 9]. Any of the standard textbooks Clote & Backofen [20], Gusfield [31], Pevzner [64], Setubal & Meidanis [68], and Waterman [78] are full of applications of dynamic programming.