

CISC-471 FALL 2018

HOMEWORK 7

Please work on these problems and be prepared to share your solutions with classmates in class on Thursday November 8. Assignments will **not** be collected for grading.

PROBLEMS

These questions come from *An Introduction to Bioinformatics Algorithms* by Neil C. Jones and Pavel A. Pevzner.

Implementing a dynamic programming sequence alignment algorithm.: I think everyone should program the dynamic programming sequence alignment algorithm to get a better understanding of how the algorithm functions.

Please submit source code for a working program for one or more of the problems that appeared on homework 6. Everyone must submit a working program for question 6.20. That is, you must get global and local alignment programs working including the backtracking step. Solutions to problems 6.21, 6.22, 6.23 will earn you bragging rights. Let me stress that your program must work, and I will test it to make sure that it does. You may use the programming language of your choice.

Upload your program to the course dropbox on OnQ. Programs must be submitted no later than November 7 at midnight..