Homework 3, Due day: March 2

All solutions should be typed, using Latex preferably (suggested to use Overleaf software).

- (1) For the weighted interval schedule problem shown in the class notes, suppose the weight values for a, b, c, d, e, f, g, h are 24, 20, 15, 13, 2, 6, 4, 3, respectively. Run the memorization version of the algorithms and show all intermediate results. Print out the final solution by running find-solution.
- (2) Find an optimal parameterization of a matrix-chain product whose sequence of dimensions is {5x12, 12x4, 4x12, 12x5, 5x45, 45x6}. Show all details of the dynamic programming solution by including all subproblem values.
- (3) Chapter 6.2
- (4) Chapter 6, 9
- (5) Chapter 6, 21
- (6) Chapter 6, 24