

Homework #5, Due February 14

Chapter 3# 2, 4, 14, 17, 19, 21
and the problem below: H-2

Problem H-2. Using the algorithm in Chapter 3.4, find the optimal order and its cost for evaluating the product $A_1A_2A_3A_4$, where

A_1 is 30×20

A_2 is 20×5

A_3 is 5×4

A_4 is 4×10 .

Information on Midterm

The midterm is Friday, February 16, in class. Arrive promptly. **You must take it in the class in which you are officially enrolled.**

It includes the material we covered in Chapters 1–3 and Appendices A–B (up through homework 5). Sample exams from past Math 188 classes are available through the “Other Sites” link on the class web site.

Please bring your **student ID, pencils, and erasers**. You may also bring a **cheat sheet** as described below. We’ll supply a test book, so you don’t need a blue book or scantron. **No other resources: no calculators, no books, etc.**

“Cheat Sheet”: You may bring a double-sided sheet of notes, $8\frac{1}{2}'' \times 11''$. It must be written by hand by you in pen or pencil; it may not be produced by any other means (computer, photocopying, etc.).

Midterm review session (optional). Cameron Parker will give a review session Wednesday February 14 at 4–5:30 p.m. in Center 214. *This is optional.*

Assistance. Prof. Tesler’s Friday February 16 office hours will be moved up to Wednesday February 14, 10–11:30. Prof. Tesler and Tom Langley will be out of town the day of the midterm (departing the day before), so any last minute questions should be directed to Cameron Parker (if you’re enrolled in Lecture B, MWF 1:25–2:15), or George Kunin (if you’re enrolled in Lecture A, MWF 2:30–3:20).