

Andrew login ID: _____

Full Name: _____

CS 15-213, Fall 2002

Exam 2

November 12, 2002

Instructions:

- Make sure that your exam is not missing any sheets, then write your full name and Andrew login ID on the front.
- Write your answers in the space provided below the problem. If you make a mess, clearly indicate your final answer.
- The exam has a maximum score of 66 points.
- The problems are of varying difficulty. The point value of each problem is indicated. Pile up the easy points quickly and then come back to the harder problems.
- This exam is OPEN BOOK. You may use any books or notes you like. You may use a calculator, but no laptops or other wireless devices. Good luck!

1 (09):
2 (08):
3 (08):
4 (12):
5 (10):
6 (10):
7 (09):
TOTAL (66):

Problem 1. (9 points):

This problem tests your understanding of code optimization. Consider the following function for computing the product of an array of n integers. We have unrolled the loop by a factor of 4.

