

Solutions to CS511 Homework 08

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Exercise 1. [LCS, page 159-160]: Exercise 2.2.3. Do both part (a), on page 159, and part (b), on page 160.

Part a

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Solutions to ...:

Solu start

Actual solution

Explanation:

Part b

Solutions to ...:

Solu start

Actual solution

Explanation:

Exercise 2.

Hint: Review the hint in the preceding exercise

Part 1: [LCS, page 160]: **Exercise 2.3.2.**

Part 2: [LCS, page 160]: Exercise 2.3.3, modified as follows.
Change part (c) to read “at least three distinct elements”.

PROBLEM 1 Open EML.Chapter 6.pdf. Do part Exercise 99 on page 61.

Problem title

ON LEAN-4

Solutions in one file at: https://github.com/nich-ikech/CS511-hw-macbeth/blob/main/cs511HwSolutions/hw08/hw08_nicholas_ikechukwu.lean

Exercise 3. Two closely related parts, which you have to do in Lean:

Solutions

https://github.com/nich-ikech/CS511-hw-macbeth/blob/main/cs511HwSolutions/hw08/hw08_nicholas_ikechukwu.lean

Exercise 4. From Macbeth's book

https://github.com/nich-ikech/CS511-hw-macbeth/blob/main/cs511HwSolutions/hw08/hw08_nicholas_ikechukwu.lean

PROBLEM 2. From Macbeth's book

Solution

https://github.com/nich-ikech/CS511-hw-macbeth/blob/main/cs511HwSolutions/hw08/hw08_nicholas_ikechukwu.lean