CS 441: Discrete Structures for Computer Science
Fall 2024

Homework 2

Name: _____   **Username (abc123):** _____
Collaborators: _____
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`Problem 1:`	Sec 1.2, #32	(8 points)
`Problem 2:`	Sec 1.2, #40	(10 points)
`Problem 3:`	Sec 1.3, #26[1]	(8 points)
`Problem 4:`	Sec 1.3, #30[1]	(10 points)
`Problem 5:`	Sec 1.3, #34[1]	(10 points)
`Problem 6:`	Sec 1.4, #8	(12 points)
`Problem 7:`	Sec 1.4, #10	(15 points)
`Problem 8:`	Sec 1.4, #12	(7 points)
`Problem 9:`	Sec 1.4, #24	(20 points)
`Challenge 1:`	Sec 1.3, #50	(2 extra points)
`Challenge 2:`	Sec 1.3, #56	(6 extra points)
		(100 points)

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[1]Do not use a truth table; use the direct manipulation method (using existing logical equivalences).