

Homework Assignment: 3

Name: Jonathan Gaines

Date: 4/19/2017

1. Job Optimization

	Solution	Time Slot 1	Time Slot 2	profit
	1	Job 1	Job 3	55
(a)	2	Job 2	Job 1	65
	3	Job 2	Job 3	60
	4	Job 4	Job 1	70
	5	Job 4	Job 3	65

(b)

(c)

2. Dynamic Programming: Change Making

(a)

(b)

(c)

(d)

3. Dynamic Programming: Knapsack Problem

(a)

(b)

(c)

4. Greedy Algorithm

(a)

(b)

(c)