Jessie George
Section 1
HW 8

Problem 1 part 1

Dependence = a(i) and a(i-1)
Distance = 1
Type = Flow

Dependence = a(i) and a(i+1)
Distance = -1
Type = Anti

Dependence = a(i) and a(i-2)
Distance = 2
Type = Flow

Problem 1 part 2

Dependence = a(i) and a(i+2)
Distance = -2
Type = Anti

Dependence = a(i) and a(i-3)
Distance = 3
Type = Flow

Problem 1 part 3

Dependence = a(2*i) and a(2*i-1)
Distance = 1
Type = Flow

Dependence = a(2*i) and a(2*i+1)
Distance = -1
Type = Anti

Problem 1 part 4

Dependence = a(i) and a(5)
Distance = i-5
Type = Anti for i<=4, Output for i=5, Flow for i>5

Problem 1 part 5

Dependence = a(10-i) and a(i)
Distance = 10 - 2i
Type = Anti

Problem 2 part 1

S1 depends on S2 (Flow) and S1 depends on S3 (Anti)
S2 depends on S3 (Output)
S3 depends on itself (Flow) and S3 depends on S1 (Output)

Problem 2 part 2

a(2:99) = b(1:98) + c(3:100);
b(2:99) = c(2:99) + 3;
c(2:99) = c(1:98) + a(2:99);