

	Max						Allocation						Need						Available				
	A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E
P1	10	9	8	7	6		5	6	3	2	1		5	3	5	5	5		3	3	3	3	3
P2	8	6	4	5	2		7	2	4	3	1		1	4	0	2	1						
P3	4	1	1	1	1		0	1	1	1	0		4	0	0	0	1						
P4	4	3	4	5	6		2	3	2	1	0		2	0	2	4	6						
P5	4	5	6	4	4		1	0	2	3	0		3	5	4	1	4						
P6	3	5	2	3	1		0	1	2	2	0		3	4	0	1	0						
P7	1	2	2	2	1		1	1	1	0	1		0	1	1	2	0						

Figure 1. Table from discussion 4.

```

Input.txt - Notepad
File Edit Format View Help
7 Processes
5 Resources
10,9,8,7,6
8,6,4,5,2
4,1,1,1,1
4,3,4,5,6
4,5,6,4,4
3,5,2,3,1
1,2,2,2,1
5,6,3,2,1
7,2,4,3,1
0,1,1,1,0
2,3,2,1,0
1,0,2,3,0
0,1,2,2,0
1,1,1,0,1
3,3,3,3,3Initial Available

```

Max:
Based on #
of processes

Allocation:
Based on #
of
processes

Figure 2. Showing what each line of the input file means. There can be no spaces in between lines. First line is processes, second line is resources. The next lines are parsed based on # of processes. If processes = 7, then the 7 lines after line 2 will go to the max array, and the 7 lines after max will go to allocated. The last line is always the initial availability.

