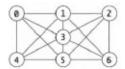
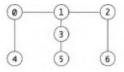
1. Represent the following graphs using adjacency lists.

Graph 1



0 -> 1, 3, 4, 5 1 -> 0, 2, 3, 4 2 -> 1, 3, 5, 6 3 -> 0, 1, 2, 4, 5, 6

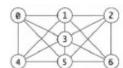
Graph 2



0 -> 1, 4 1 -> 0, 2, 3 2 -> 1, 6 3 -> 1, 5

2. Represent the graphs in Exercise 1 above using an adjacency matrix.

Graph 1

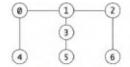


Column

		0	1	2	3	4	5	6
	0		1		1	1	1	
	1	1		1		1		1
	2		1		1		1	1
	3	1		1		1		1
	4	1	1		1		1	
	5	1		1		1		1
	6		1	1	1		1	

Row

Graph 2



Column

	0	1	2	3	4	5	6
0		1			1		
1	1		1	1			
2		1					1
3		1				1	
4	1						
5				1			
6			1				

Row