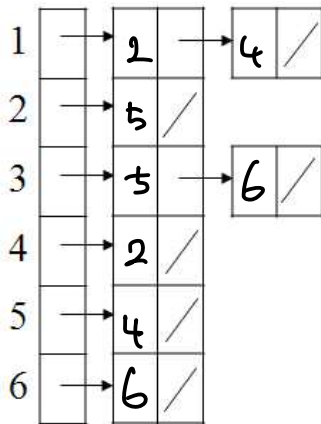
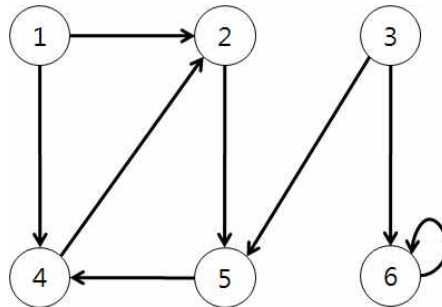


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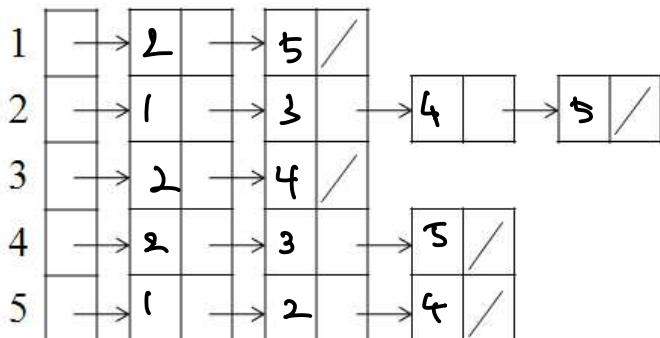
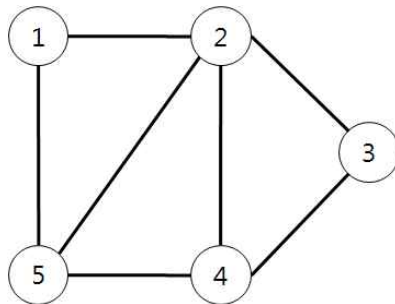
1. Show the adjacency-list and adjacency-matrix representations of given graphs.

(1) A directed graph



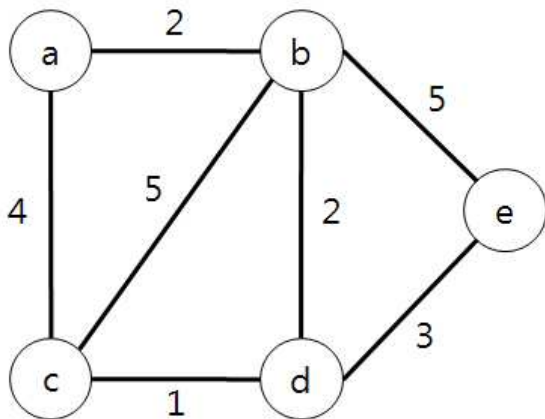
	1	2	3	4	5	6
1	0	1	0	1	0	0
2	0	0	0	0	1	0
3	0	0	0	0	1	1
4	0	1	0	0	0	0
5	0	0	0	1	0	0
6	0	0	0	0	0	1

(2) An undirected graph



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

2. Show the adjacency-list and adjacency-matrix representations of the following weighted graph.



	a	b	c	d	e
a	0	2	4	∞	∞
b	2	0	5	2	5
c	4	5	0	1	∞
d	∞	2	1	0	3
e	∞	5	∞	3	0

