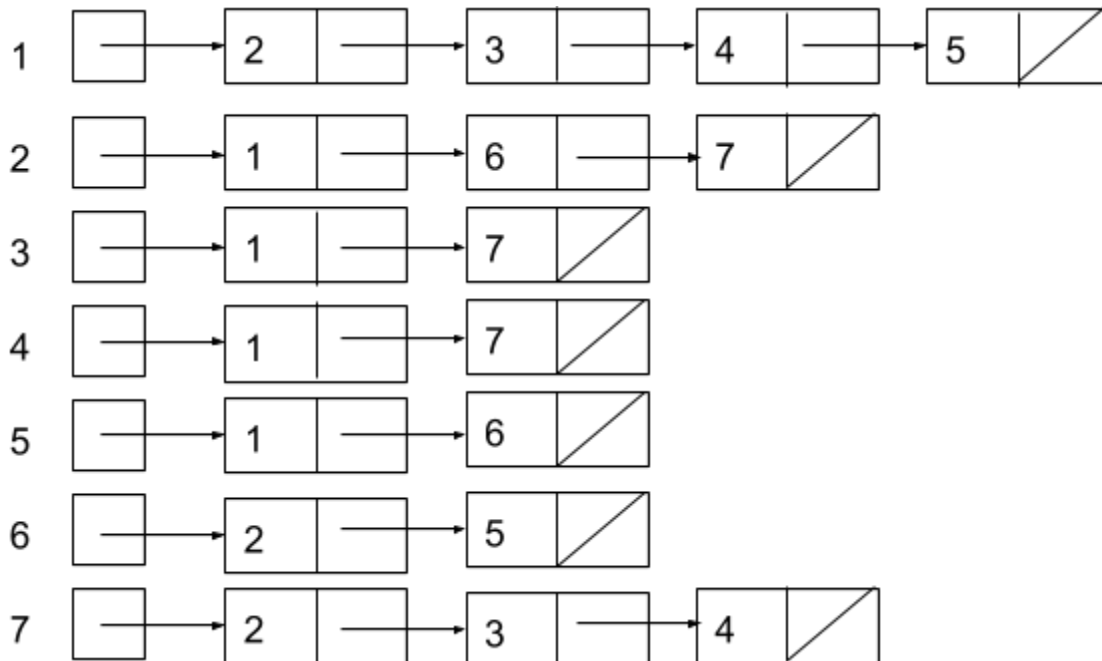


B.2.1

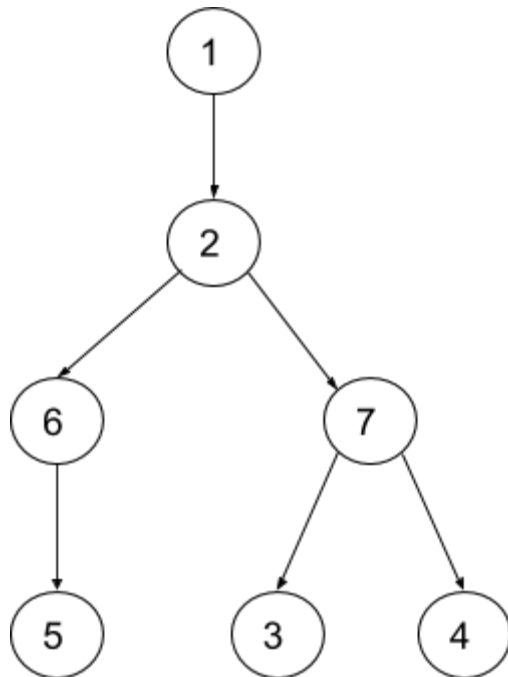
Adjacency Matrix

	1	2	3	4	5	6	7
1	0	1	1	1	1	0	0
2	1	0	0	0	0	1	1
3	1	0	0	0	0	0	1
4	1	0	0	0	0	0	1
5	1	0	0	0	0	1	0
6	0	1	0	0	1	0	0
7	0	1	1	1	0	0	0

Adjacency Linked Lists



B2.2

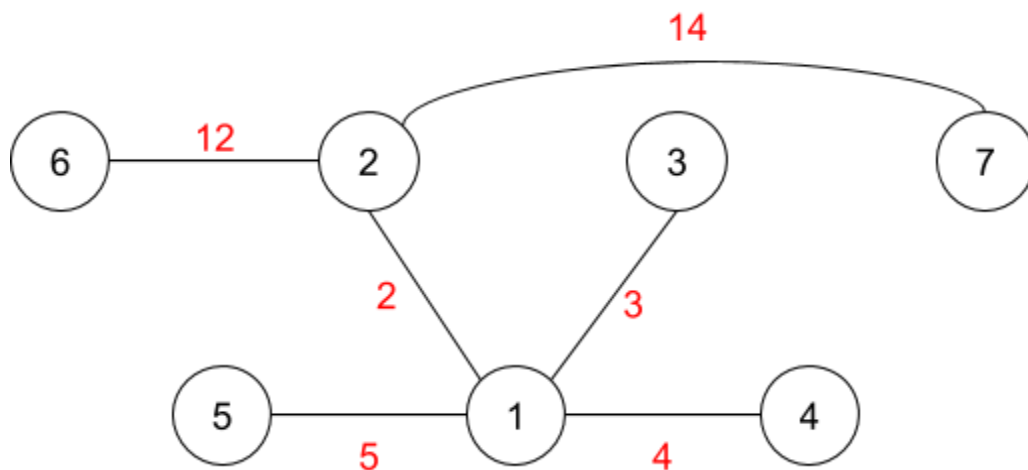


Order in which vertices were reached for the first time: $1 \rightarrow 2 \rightarrow 6 \rightarrow 5 \rightarrow 7 \rightarrow 3 \rightarrow 4$

Order in which vertices become dead ends: $5 \rightarrow 6 \rightarrow 3 \rightarrow 4 \rightarrow 7 \rightarrow 2 \rightarrow 1$

B2.3

Minimum Spanning Tree by Krusgal's Algorithm



Order in which edges are considered : $(1,2), (1,3), (1,4), (1,5), (2,6), (2,7)$

Order in which edges are added to tree: same as above

Total weight = $2 + 3 + 4 + 5 + 12 + 14 = 40$