เฉลยบทที่ 5

1.

for Minimal Spanning Tree Problem NET Problem

11-24-2017	From Node	Connect To	Distance/Cost		From Node	Connect To	Distance/Cost
1	Node1	Node2	31	9	Node9	Node10	19
2	Node1	Node3	31	10	Node12	Node11	22
3	Node1	Node4	10	11	Node13	Node12	30
4	Node3	Node5	20	12	Node10	Node13	50
5	Node4	Node6	21	13	Node11	Node14	41
6	Node2	Node7	25	14	Node14	Node15	22
7	Node9	Node8	25	15	Node15	Node16	30
8	Node6	Node9	26				
	Total	Minimal	Connected	Distance	or Cost	=	403

2.

for Minimal Spanning Tree Problem NET Problem

11-24-2017	From Node	Connect To	Distance/Cost		From Node	Connect To	Distance/Cost
1	Node1	Node2	10	4	Node6	Node5	13
2	Node1	Node3	9	5	Node3	Node6	16
3	Node5	Node4	8				
	Total	Minimal	Connected	Distance	or Cost	=	56

3.

4. 1 > 3 > 4 > 6 49

5. 1 > 2 27

   1 > 3 24

   1 > 3 > 4 39

   1 > 3 > 5 43

   1 > 3 > 4 > 6 49

6. 7 7,000,000

7. 120