1.ข้อมูลประเทศไทย 6 จังหวัด

Vertex vector

A
B
C
D
E
F

	A	B	C	D	E	F
A	0	73	0	0	0	150
B	73	0	216	0	0	0
C	0	216	0	259	0	152
D	0	0	259	0	740	0
E	0	0	0	740	0	442
F	150	0	152	0	442	0

adjacency matrix

3. adjacency list

Vertex list		adjacency list
A	→ B 73	→ F 150 ✕
B	→ A 73	→ C 216 ✕
C	→ B 216	→ D 259 → F 152 ✕
D	→ C 259	→ E 740 ✕
E	→ D 740	→ F 442 ✕
F	→ A 150	→ C 152 → E 442 ✕

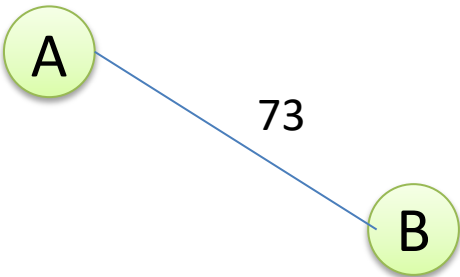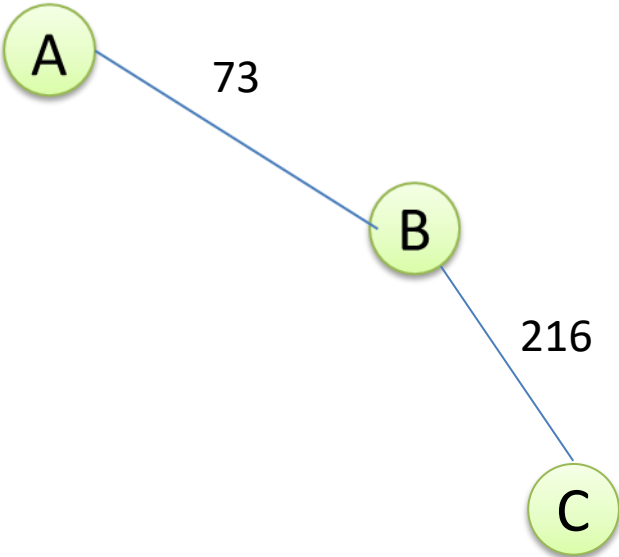Vertex list   adjacency list
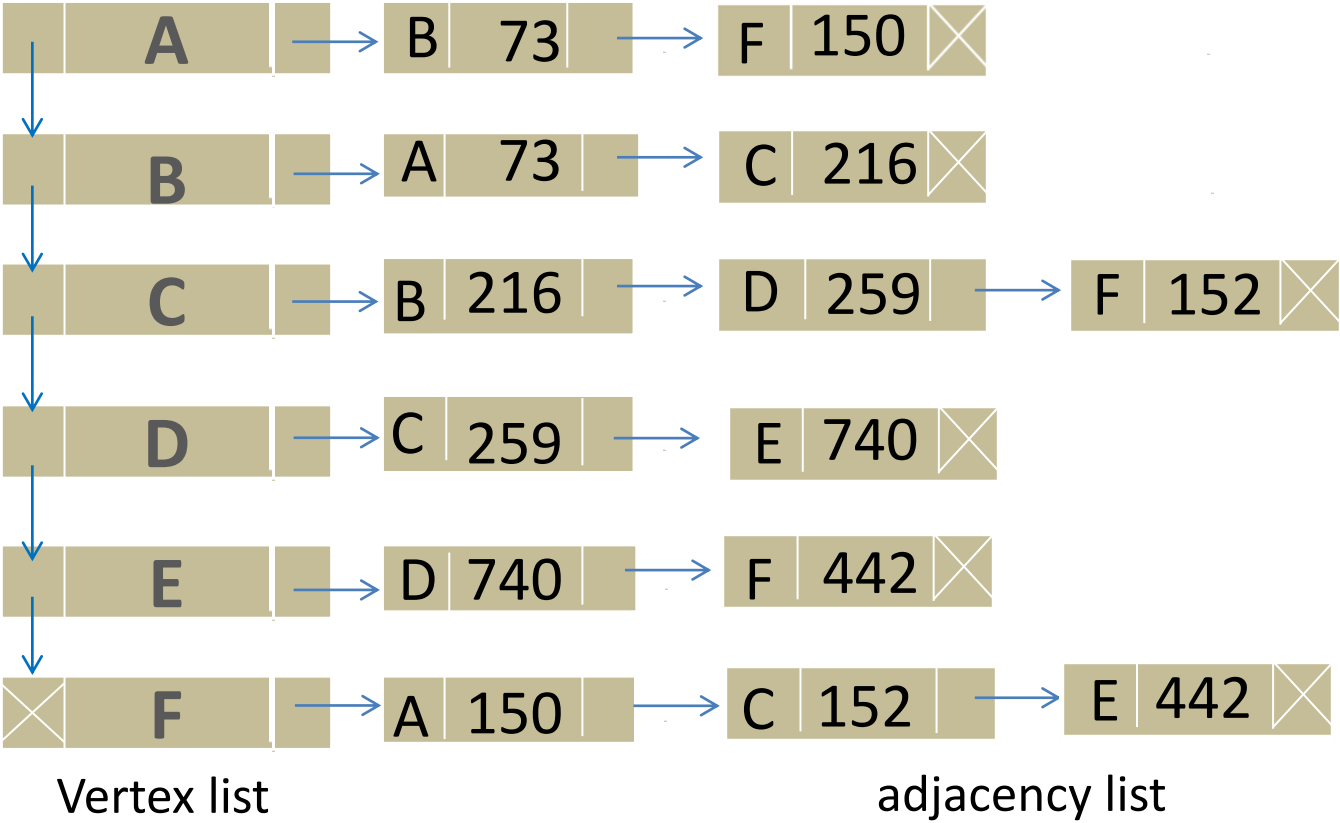
4. Minimum spanning tree

A

(a) Insert first vertex
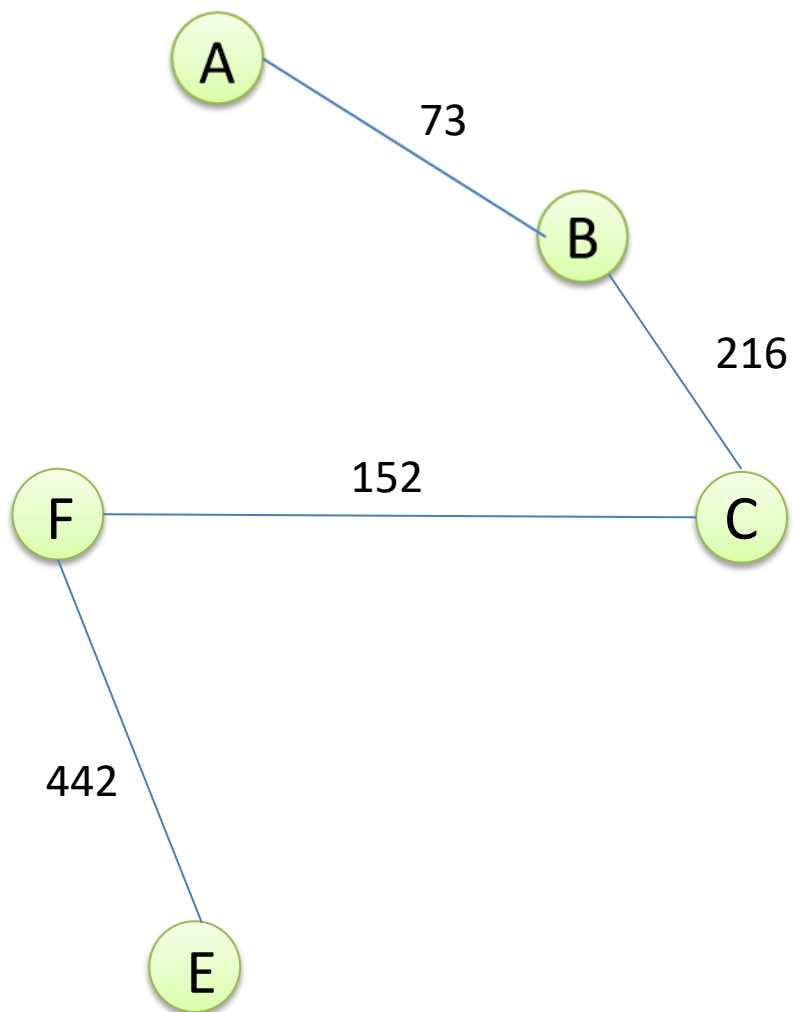
A
73
B

(b) Insert edge AB

A
73
B
216
C

(c) Insert edge BC

A
73
B
216
C
152
F
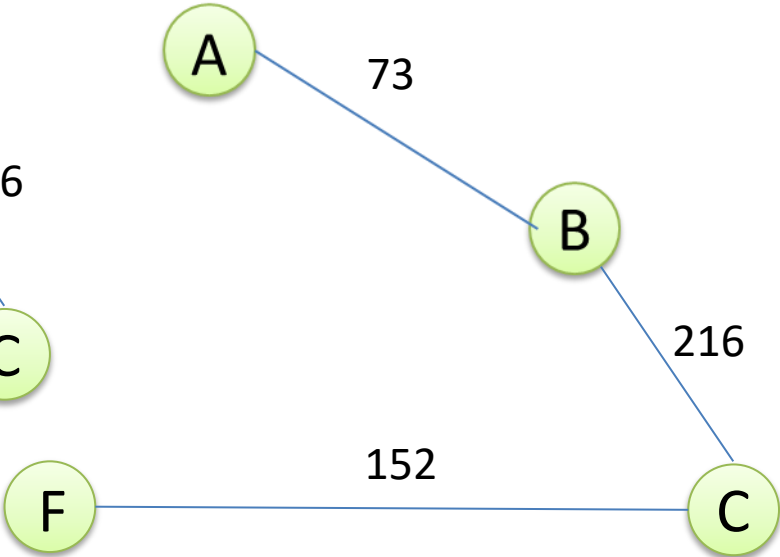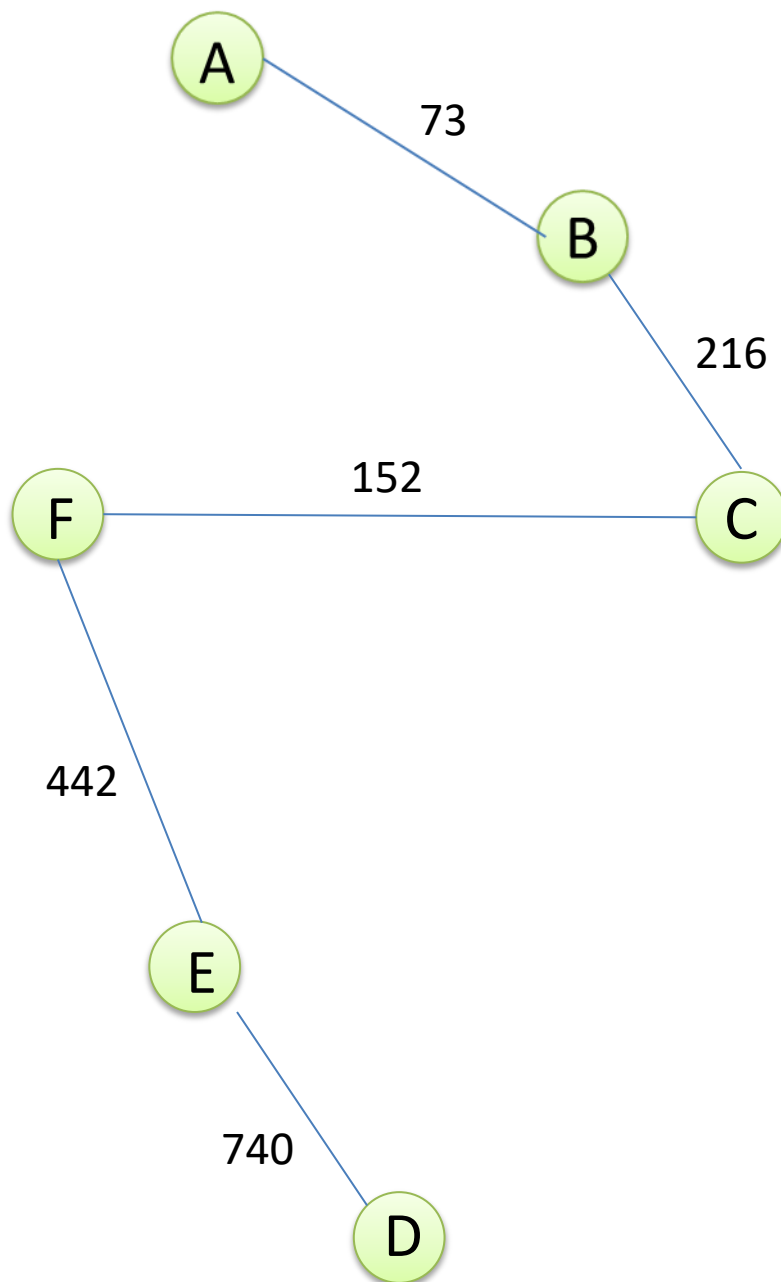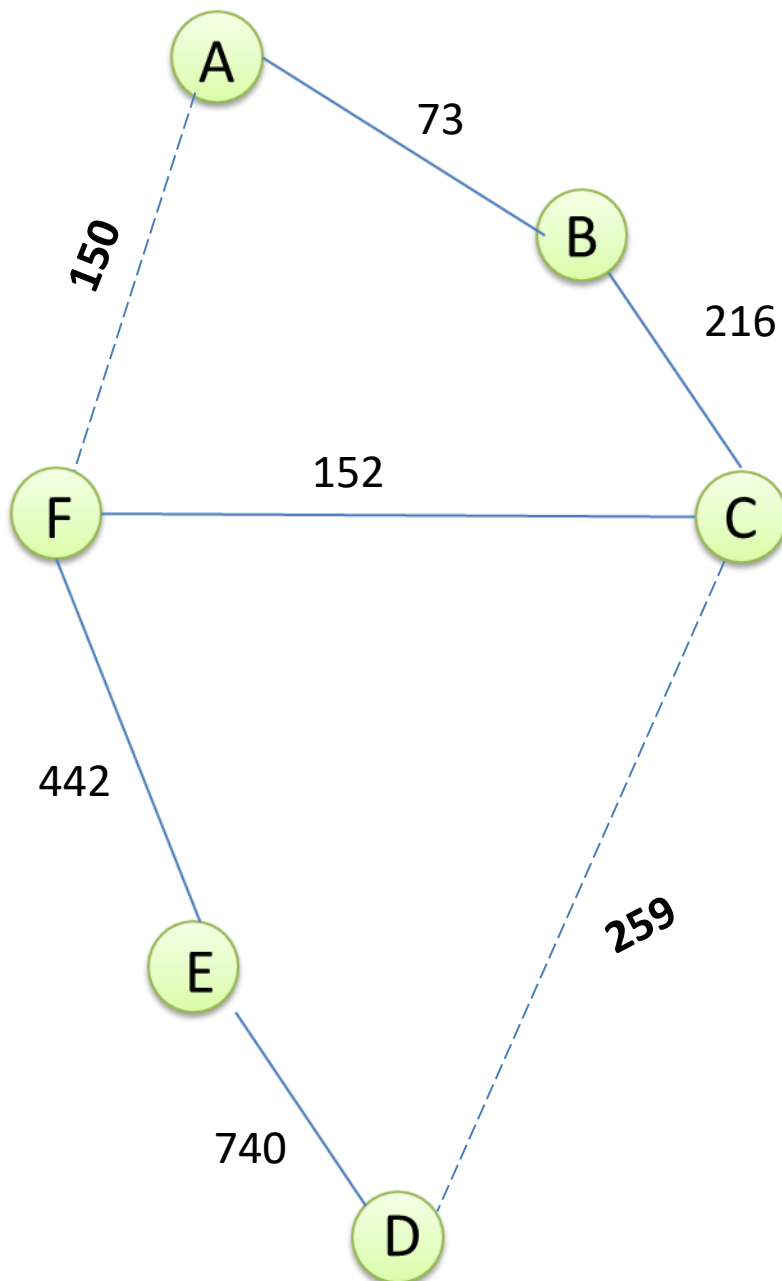
(d) Insert edge CF

(e) Insert edge FE

(f) Insert edge ED

(g) Final tree in the graph