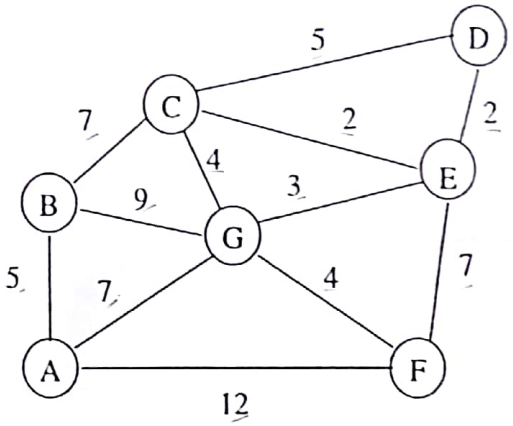
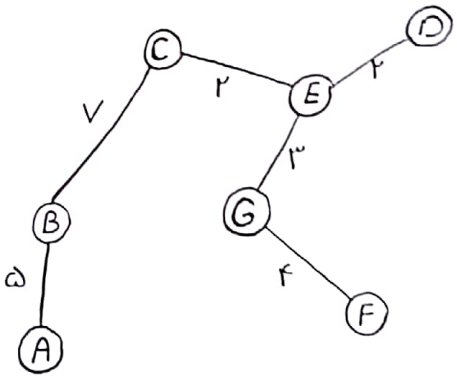
Kruskal Worksheet



1. List the edges in non-decreasing order of weight.

E_1	E_2	E_3	E_4	E_5	E_6	E_7	E_8	E_9	E_{10}	E_{11}	E_{12}
CE	ED	GE	GF	GC	AB	CD	BC	AG	FE	BG	AF

2. Start with spanning tree $T = \{\}$. For each edge in order, check whether it creates a cycle? If not, add it to T.

Edge	Cycle?
E_1	no
E_2	no
E_3	no
E_4	no
E_5	yes
E_6	no
E_7	yes
E_8	no
E_9	yes
E_{10}	yes
E_{11}	yes
E_{12}	yes