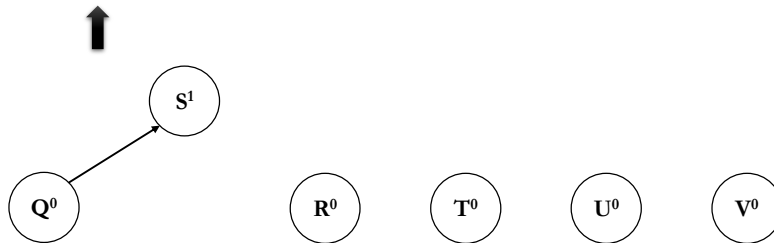


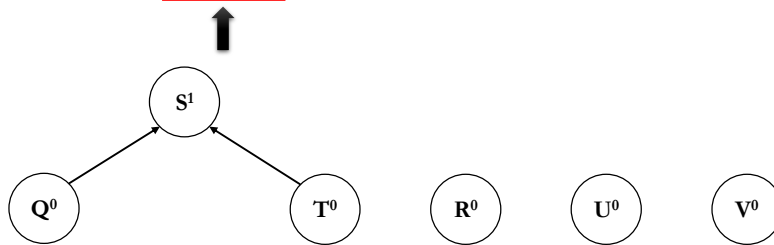
`union(S, Q), union(T, Q), union(U, V), union(Q, U), find(T), union(U, R)`



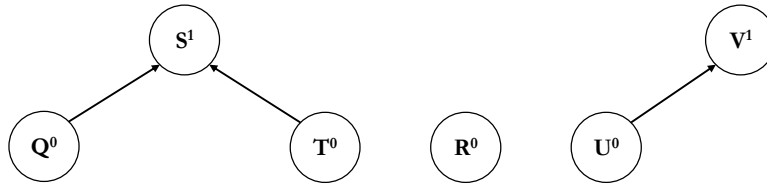
union(S, Q), union(T, Q), union(U, V), union(Q, U), find(T), union(U, R)



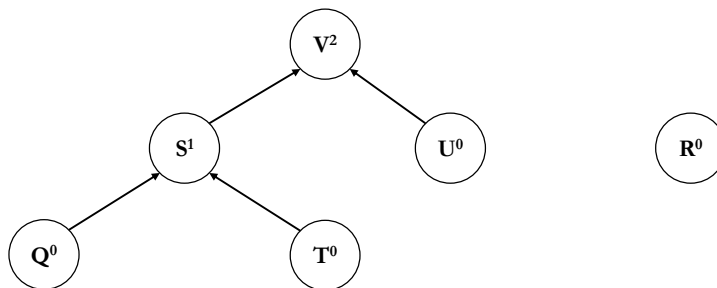
union(S, Q), union(T, Q), union(U, V), union(Q, U), find(T), union(U, R)



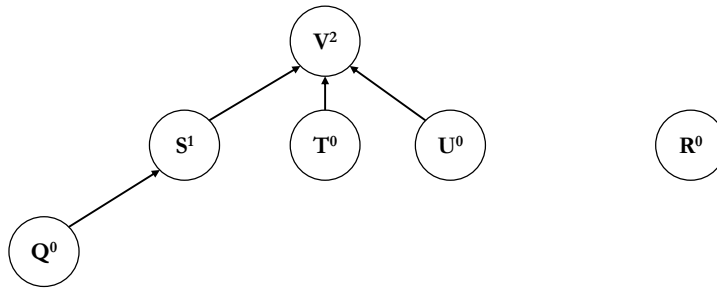
`union(S, Q), union(T, Q), union(U, V), union(Q, U), find(T), union(U, R)`



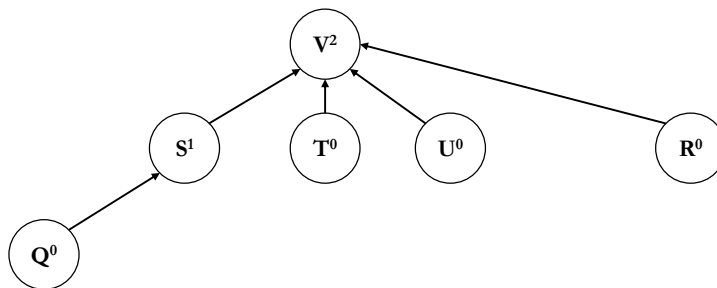
`union(S, Q), union(T, Q), union(U, V), union(Q, U), find(T), union(U, R)`

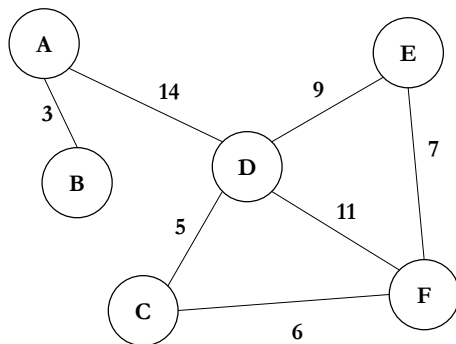
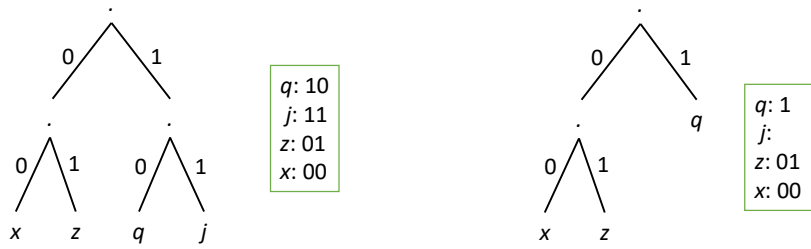


`union(S, Q), union(T, Q), union(U, V), union(Q, U), find(T), union(U, R)`

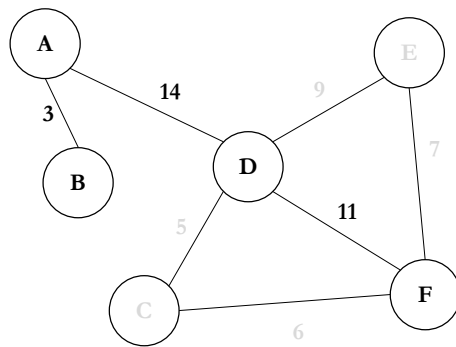


`union(S, Q), union(T, Q), union(U, V), union(Q, U), find(T), union(U, R)`

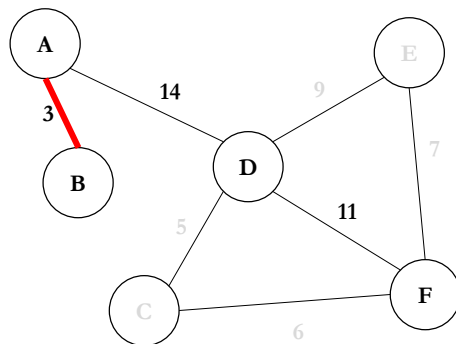




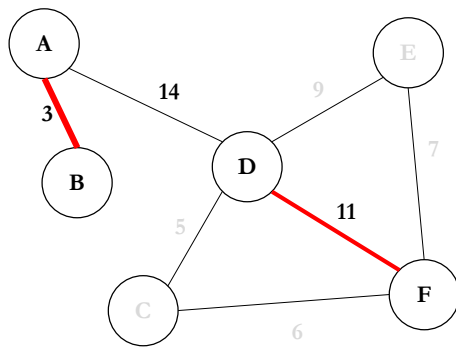
e.g., $U = \{E, C\}$



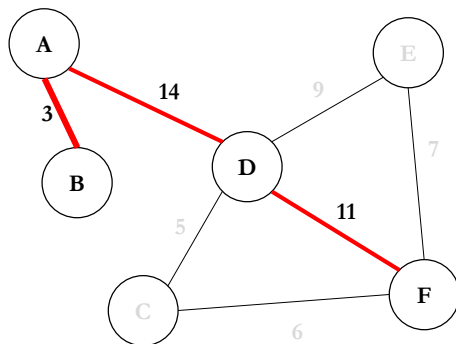
e.g., $U=\{E,C\}$



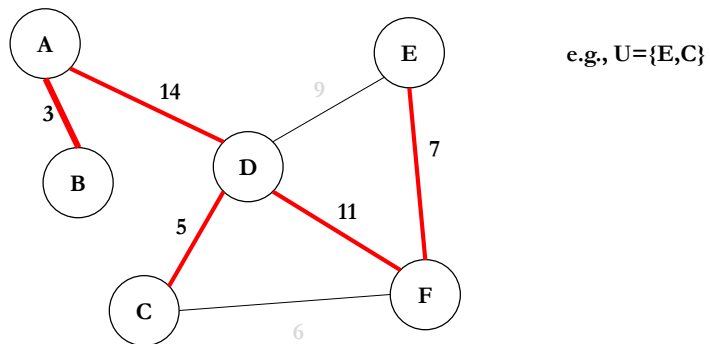
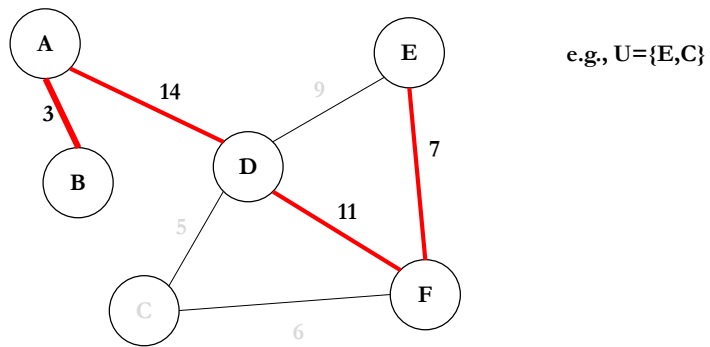
e.g., $U=\{E,C\}$

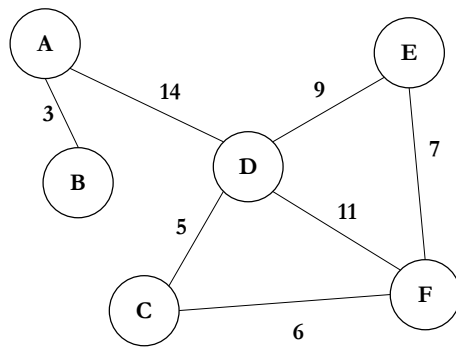


e.g., $U=\{E,C\}$

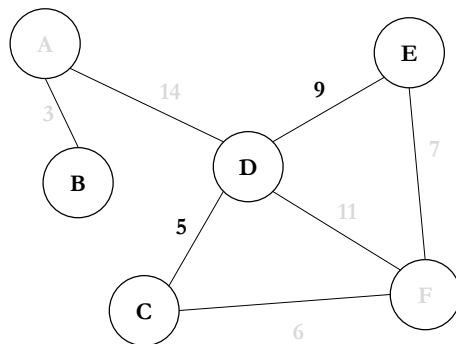


e.g., $U=\{E,C\}$

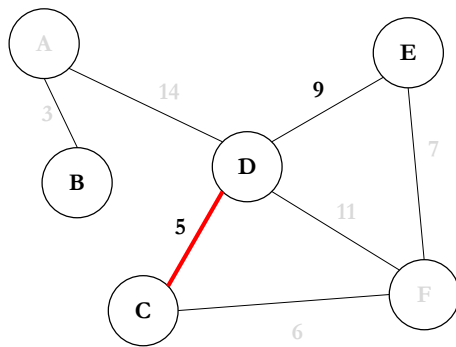




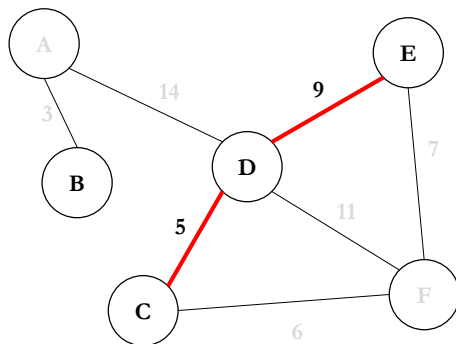
e.g., $U=\{A,F\}$



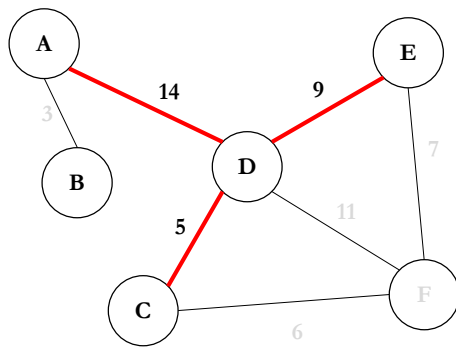
e.g., $U=\{A,F\}$



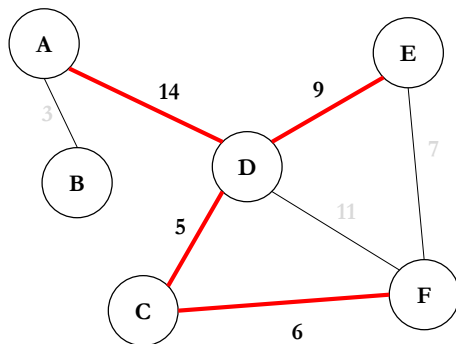
e.g., $U=\{A,F\}$



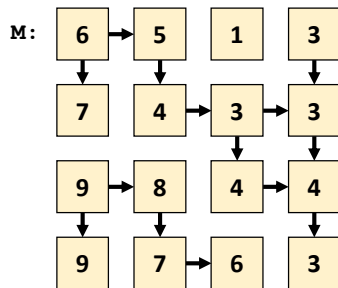
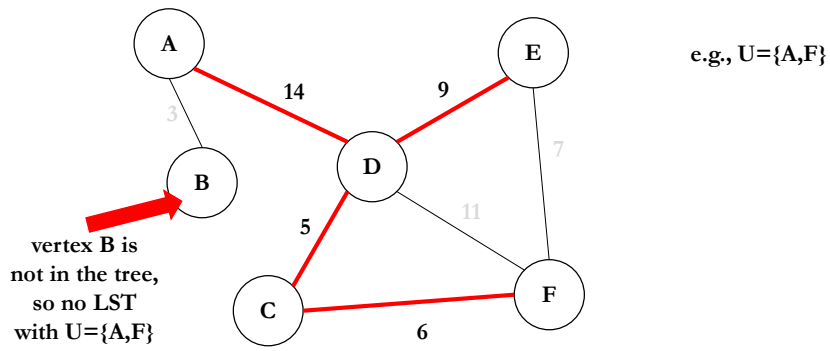
e.g., $U=\{A,F\}$



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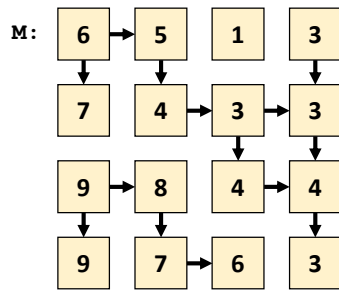


e.g., $U=\{A,F\}$

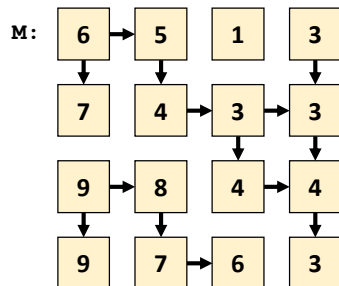


A	j=1	j=2	j=3	j=4
i=1	1	1	1	1
i=2	1	1	1	1
i=3	1	1	1	1
i=4	1	1	1	1

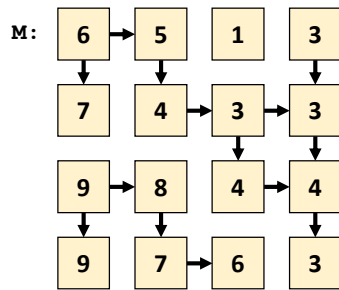
The value 1 at (i=1, j=2) is circled in red.



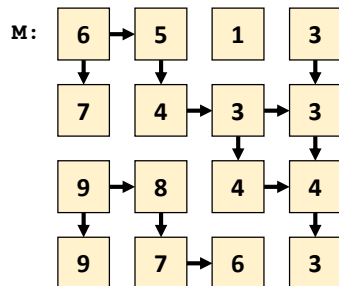
A	j=1	j=2	j=3	j=4
i=1	1	2	1	1
i=2	1	1	1	1
i=3	1	1	1	1
i=4	1	1	1	1



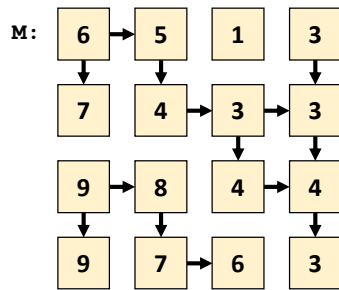
A	j=1	j=2	j=3	j=4
i=1	1	2	1	1
i=2	1	1	1	1
i=3	1	1	1	1
i=4	1	1	1	1



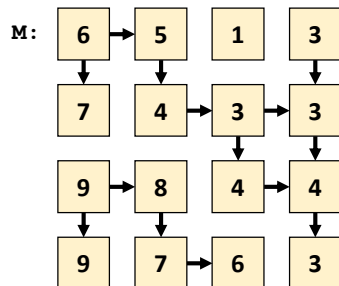
A	j=1	j=2	j=3	j=4
i=1	1	2	1	1
i=2	1	1	1	1
i=3	1	1	1	1
i=4	1	1	1	1



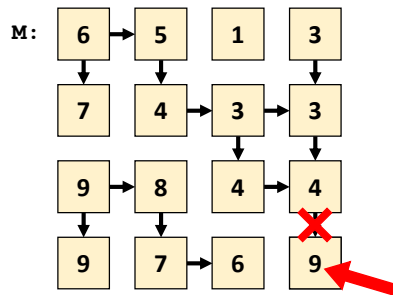
A	j=1	j=2	j=3	j=4
i=1	1	2	1	1
i=2	2	1	1	1
i=3	1	1	1	1
i=4	1	1	1	1



A	j=1	j=2	j=3	j=4
	+	+	+	+
i=1	1	2	1	1
	+	+	+	+
i=2	2	3	1	1
	+	+	+	+
i=3	1	1	1	1
	+	+	+	+
i=4	1	1	1	1
	+	+	+	+



A	j=1	j=2	j=3	j=4
	+	+	+	+
i=1	1	2	1	1
	+	+	+	+
i=2	2	3	4	5
	+	+	+	+
i=3	1	2	5	6
	+	+	+	+
i=4	2	3	4	7
	+	+	+	+



A	j=1	j=2	j=3	j=4
i=1	1	2	1	1
i=2	2	3	4	5
i=3	1	2	5	6
i=4	2	3	4	1