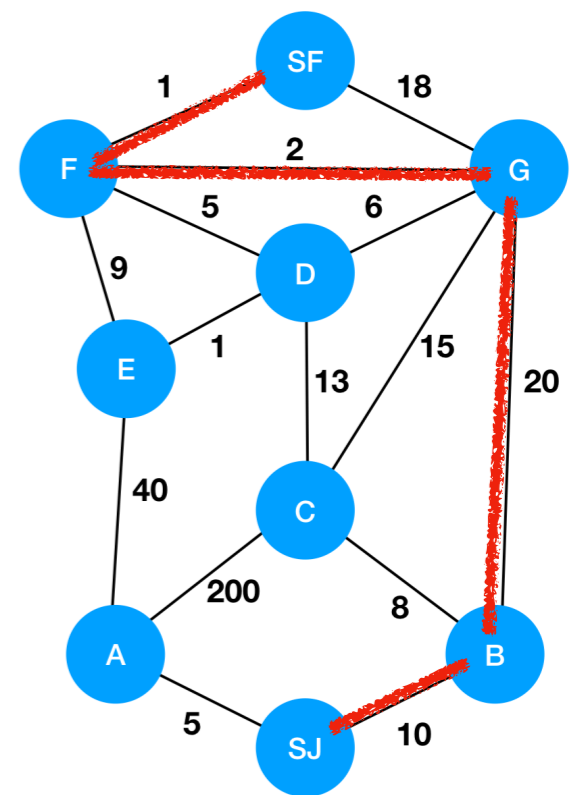
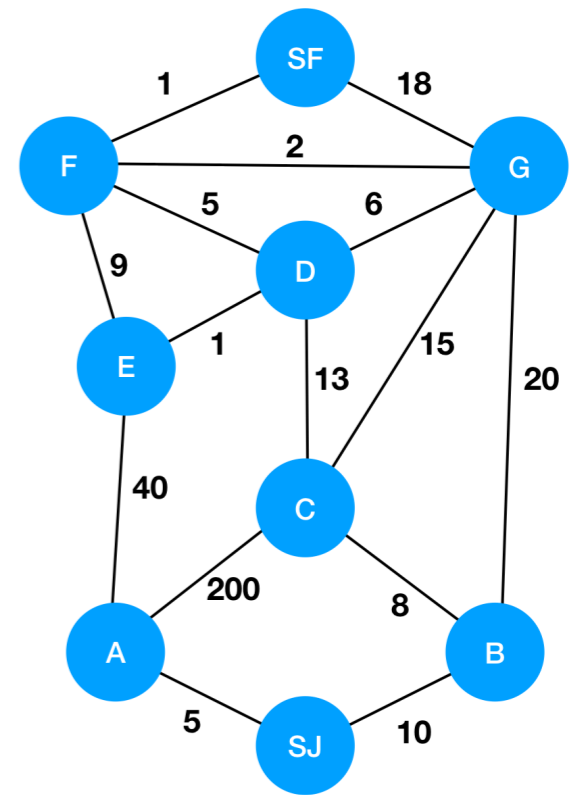


Table 1

	SJ	A	B	C	D	E	F	G	SF
Distance to SJ (step 0)	0	∞	∞	∞	∞	∞	∞	∞	∞
Previous	-								
Seen?	N	N	N	N	N	N	N	N	N
Distance to SJ (step 1)	0	5	10	∞	∞	∞	∞	∞	∞
Previous	-	SJ	SJ						
Seen?	Y	N	N	N	N	N	N	N	N
Next shortest: A									
Distance to SJ (step 2)	SJ	A	B	C	D	E	F	G	SF
Distance to SJ (step 2)	0	5	10	205	∞	45	∞	∞	∞
Previous	-	SJ	SJ	A		A			
Seen?	Y	Y	N	N	N	N	N	N	N
Next shortest: B									
Distance to SJ (step 3)	SJ	A	B	C	D	E	F	G	SF
Distance to SJ (step 3)	0	5	10	18	∞	40	∞	30	∞
Previous	-	SJ	SJ	B		A		B	
Seen?	Y	Y	Y	N	N	N	N	N	N
Next shortest: C									
Distance to SJ (step 4)	SJ	A	B	C	D	E	F	G	SF
Distance to SJ (step 4)	0	5	10	18	31	40	∞	30	∞
Previous	-	SJ	SJ	B	C	A		B	
Seen?	Y	Y	Y	Y	N	N	N	N	N
Next shortest: G									
Distance to SJ (step 5)	SJ	A	B	C	D	E	F	G	SF
Distance to SJ (step 5)	0	5	10	18	31	40	32	30	48
Previous	-	SJ	SJ	B	C	A	G	B	G
Seen?	Y	Y	Y	Y	N	N	N	Y	N
Next shortest: D									
Distance to SJ (step 6)	SJ	A	B	C	D	E	F	G	SF
Distance to SJ (step 6)	0	5	10	18	31	32	32	30	48
Previous	-	SJ	SJ	B	C	D	G	B	G
Seen?	Y	Y	Y	Y	Y	N	N	Y	N
Next shortest: E or F									
Distance to SJ (step 7)	SJ	A	B	C	D	E	F	G	SF
Distance to SJ (step 7)	0	5	10	18	31	32	32	30	48
Previous	-	SJ	SJ	B	C	D	G	B	G
Seen?	Y	Y	Y	Y	Y	Y	N	Y	N
Next shortest: F									
Distance to SJ (step 8)	SJ	A	B	C	D	E	F	G	SF
Distance to SJ (step 8)	0	5	10	18	31	32	32	30	33
Previous	-	SJ	SJ	B	C	D	G	B	F
Seen?	Y	Y	Y	Y	Y	Y	Y	Y	N
Next shortest: SF									
Distance to SJ (step 9)	SJ	A	B	C	D	E	F	G	SF
Distance to SJ (step 9)	0	5	10	18	31	32	32	30	33
Previous	-	SJ	SJ	B	C	D	G	B	F
Seen?	Y	Y	Y	Y	Y	Y	Y	Y	N
Route:	Start		From SJ				From G	From B	From F



10

20

10+20+2+1 = 33