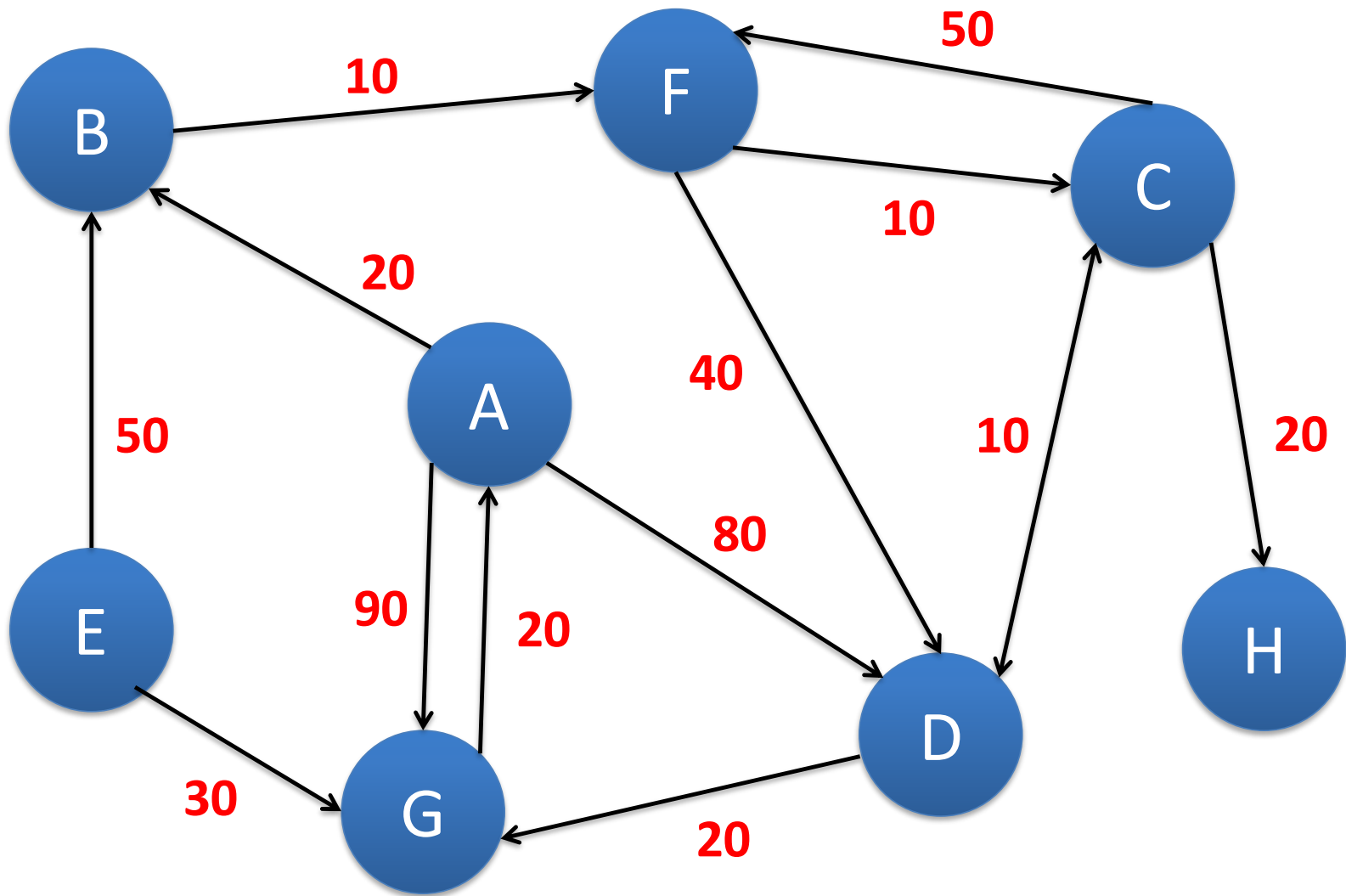
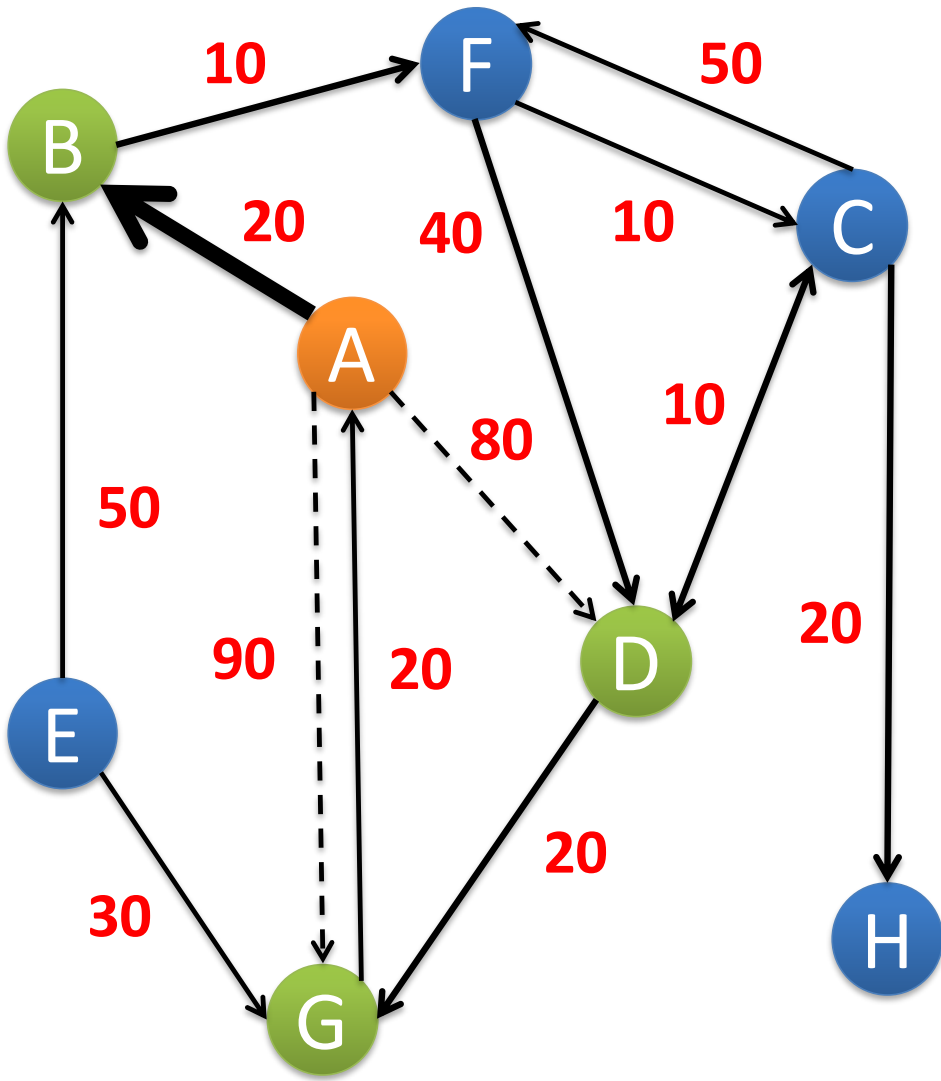


ALGORITHM

SHORTEST PATH



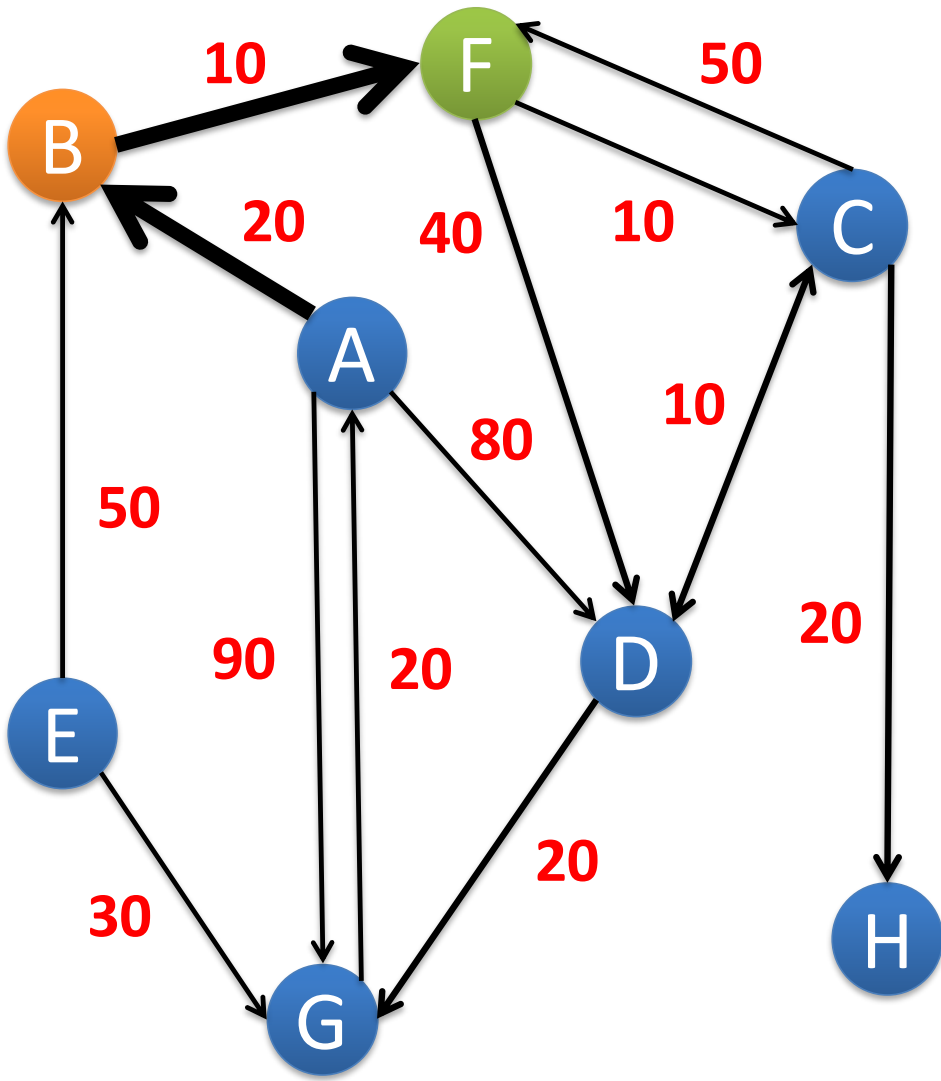


	A	B	C	D	E	F	G	H
1	A	20 A		80 A			90 A	

$$A(20) = A(0) + B(20)$$

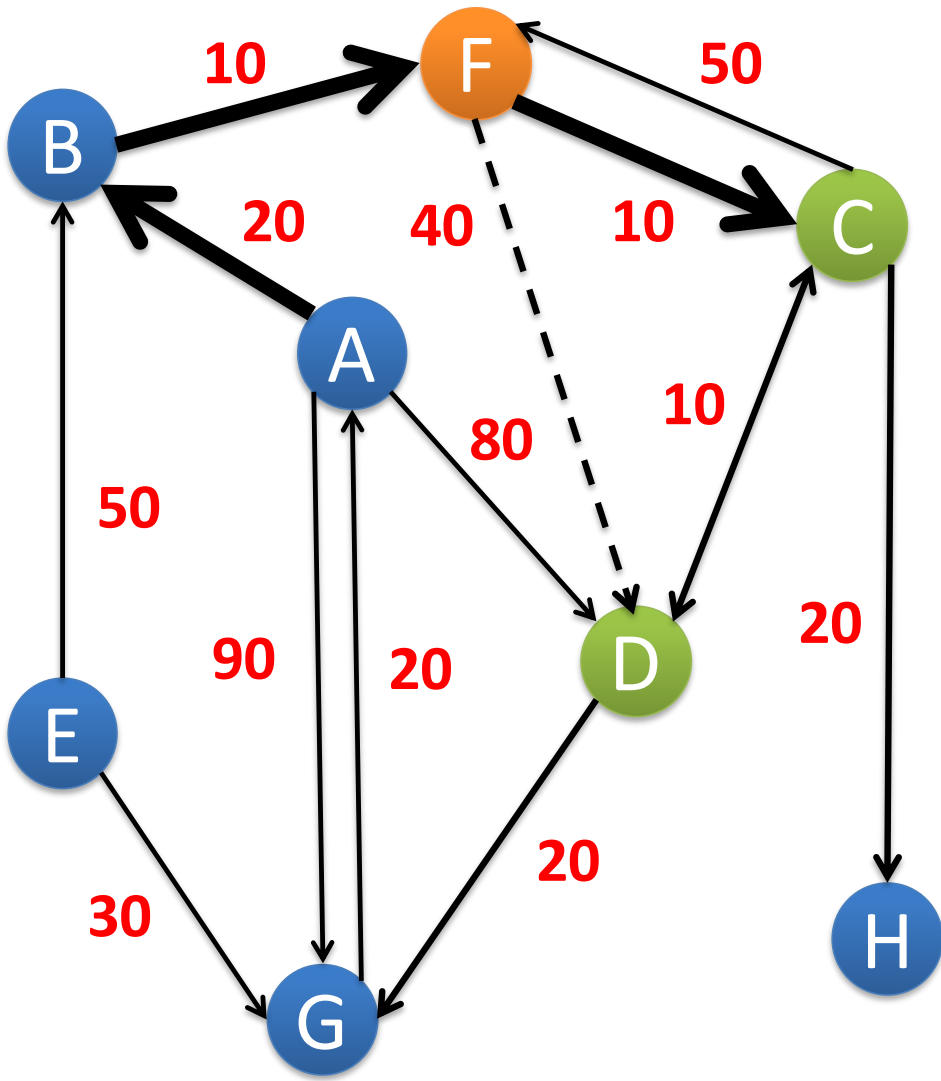
$$D(80) = A(0) + D(80)$$

$$G(90) = A(0) + G(90)$$



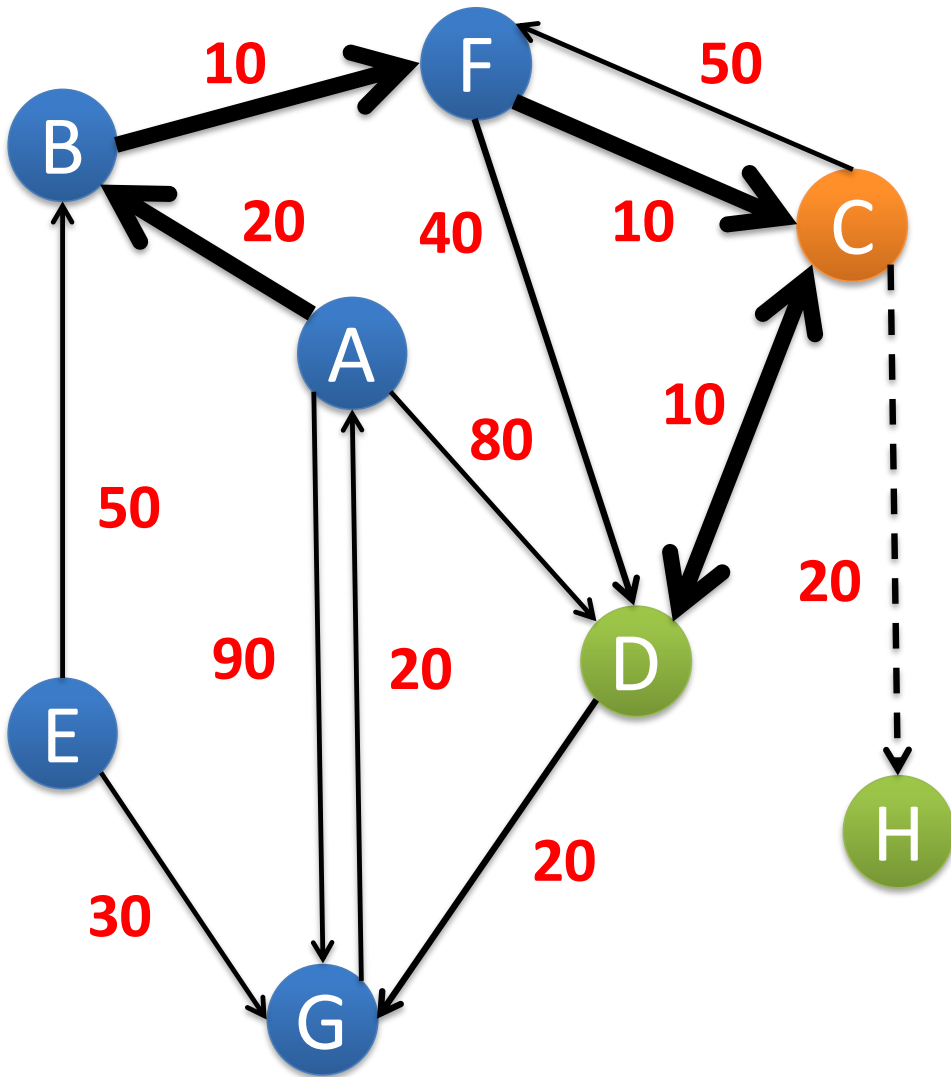
	A	B	C	D	E	F	G	H
1	A	20 A		80 A			90 A	
2	B	20 A		80 A		30 B	90 A	

$$F(30) = A(20) + B(10)$$



	A	B	C	D	E	F	G	H
1	A	20 A		80 A			90 A	
2	B	20 A		80 A		30 B	90 A	
3	F	20 A	40 F	70 F		30 B	90 A	

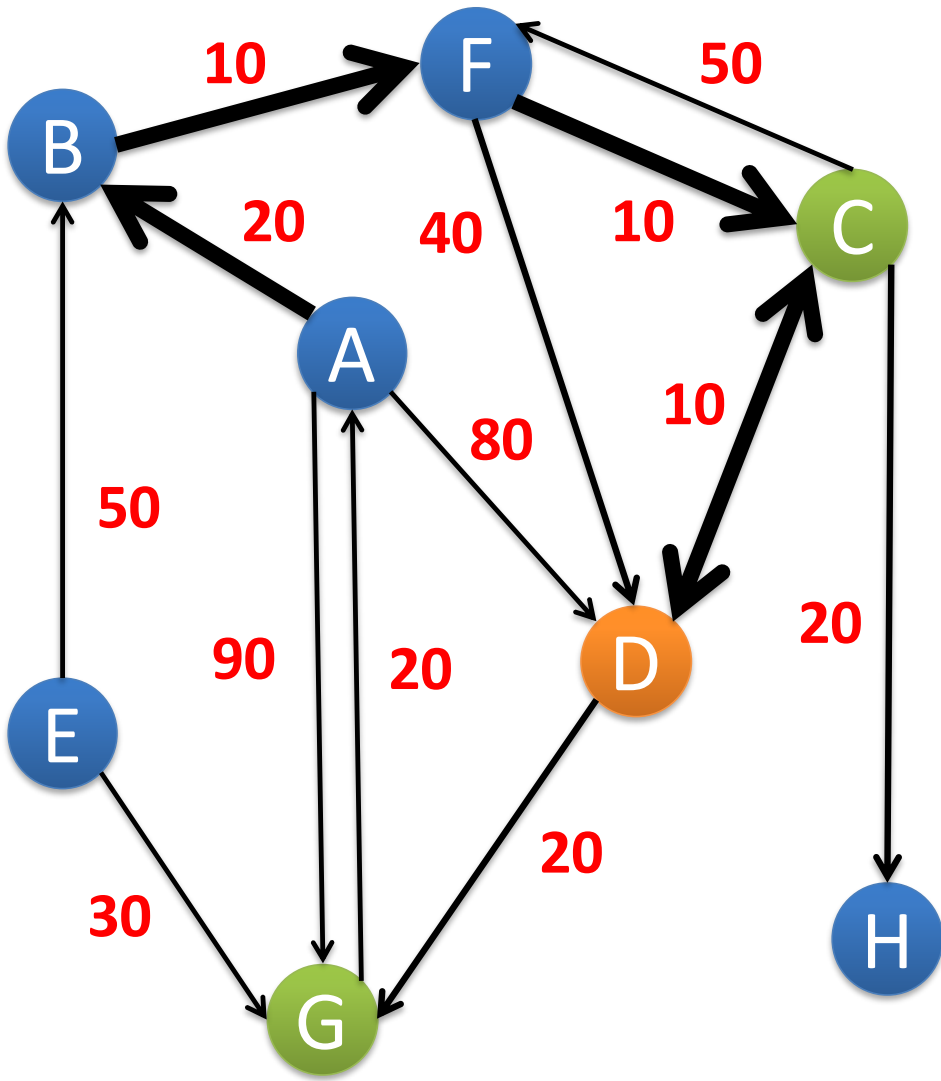
$C(40) = A(20) + B(10) + F(10)$
 $D(70) = B(20) + F(10) + D(40)$



	A	B	C	D	E	F	G	H
1	A	20 A		80 A			90 A	
2	B	20 A		80 A		30 B	90 A	
3	F	20 A	40 F	70 F		30 B	90 A	
4	C	20 A	40 F	50 C		30 B	90 A	60 C

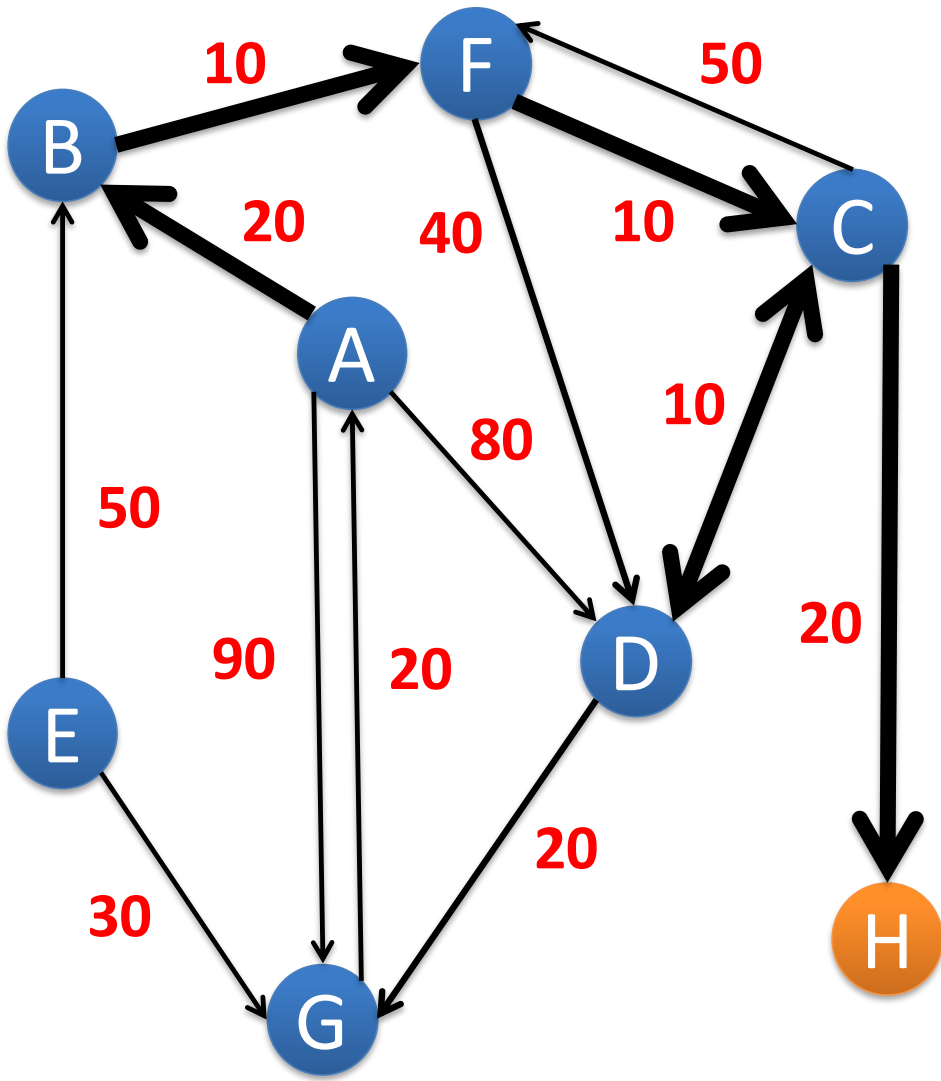
$$D(50) = A(20) + B(10) + F(10) + C(10)$$

$$H(60) = A(20) + B(10) + F(10) + C(20)$$



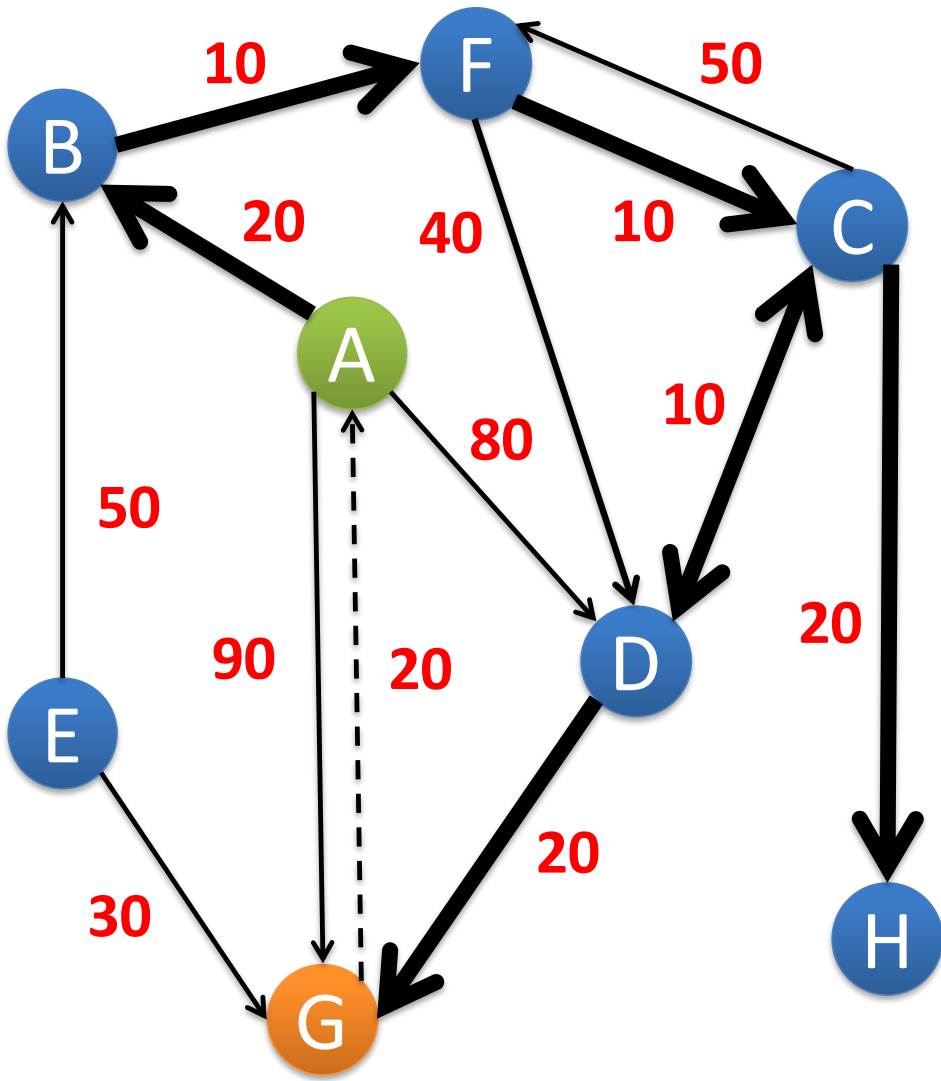
	A	B	C	D	E	F	G	H
1	A	20 A		80 A			90 A	
2	B	20 A		80 A		30 B	90 A	
3	F	20 A	40 F	70 F		30 B	90 A	
4	C	20 A	40 F	50 C		30 B	90 A	60 C
5	D	20 A	40 F	50 C		30 B	70 D	60 C

$$G(70) = A(20)+B(10)+F(10)+C(10)+D(20)$$



	A	B	C	D	E	F	G	H
1	A	20 A		80 A			90 A	
2	B	20 A		80 A		30 B	90 A	
3	F	20 A	40 F	70 F		30 B	90 A	
4	C	20 A	40 F	50 C		30 B	90 A	60 C
5	D	20 A	40 F	50 C		30 B	70 D	60 C
6	H	20 A	40 F	50 C		30 B	70 D	60 C

$$H(60) = A(20) + B(10) + F(10) + C(20)$$



	A	B	C	D	E	F	G	H
1	A	20 A		80 A			90 A	
2	B	20 A		80 A		30 B	90 A	
3	F	20 A	40 F	70 F		30 B	90 A	
4	C	20 A	40 F	50 C		30 B	90 A	60 C
5	D	20 A	40 F	50 C		30 B	70 D	60 C
6	H	20 A	40 F	50 C		30 B	70 D	60 C
7	G	20 A	40 F	50 C		30 B	70 D	60 C

$$G(70) = A(20) + B(10) + F(10) + C(10) + D(20)$$