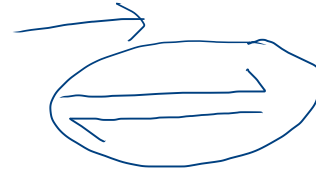


Vertex $\rightarrow \odot$

Edge \rightarrow A — B

direction \rightarrow A \longrightarrow B
 edge \rightarrow A \longleftarrow B



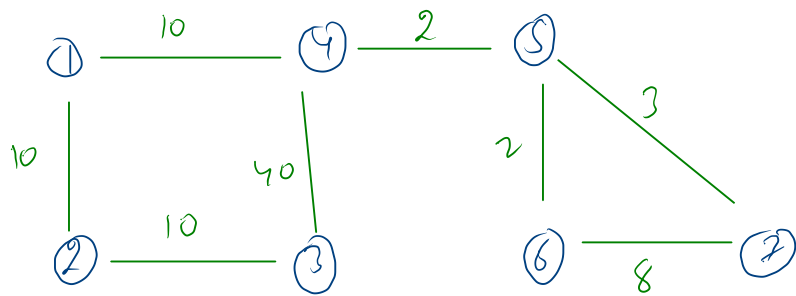
u, v, w



bi-direction
 edges



weight \rightarrow A $\xrightarrow{10}$ B



$\text{---} \equiv \rightleftharpoons$
 $V \rightarrow$
 $E \rightarrow$

$\leftarrow V \rightarrow$
 0 1 2 3 4 5 6 7

0								
1			10		10			
2		10		10				
3			10		40			
4		10		40		2		
5					2		2	3
6						2		8
7						3	8	

$\uparrow U$
 \downarrow

0				
1	→	(4, 10)	(2, 10)	
2	→	(1, 10)	(3, 10)	
3	→	(4, 40)	(2, 10)	
4	→	(1, 10)	(3, 40)	(5, 2)
5	→	(4, 2)	(6, 2)	(7, 3)
6	→	(5, 2)	(7, 8)	
7	→	(6, 8)	(5, 3)	

