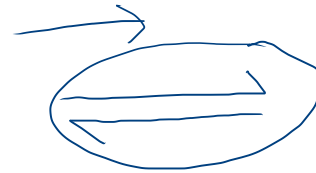


Vertex $\rightarrow \odot$

Edge \rightarrow A — B

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



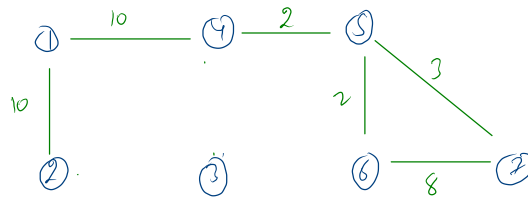
u, v, w

bi-direction
edges



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

- $1 \rightarrow (4, 10), (2, 10)$
 $2 \rightarrow (1, 10), (3, 10)$
 $3 \rightarrow (2, 10), (4, 10)$
 $4 \rightarrow (1, 10), (3, 10), (5, 2)$



$\text{---} \equiv \rightleftharpoons$

$V \rightarrow$

$E \rightarrow$

$(u \rightarrow v), 1$
 $(v \rightarrow u), 2$

$\xleftarrow{V} \xrightarrow{V}$

	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		

$\xleftarrow{U} \xrightarrow{U}$

