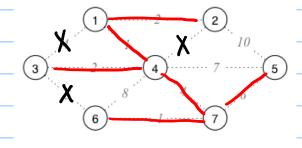
## Dijkstra's Algorithm

Vertex	0	1	2	3	4	5	6	7
Seen?								
Distance	0	5	4	5	7	7	10	13
Distance Predecessor	-1	0	0	2	2	)	5	5

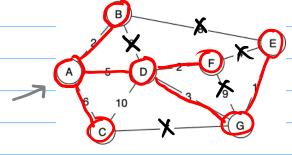
## Kruskal's Algorithm



Pick smallest edge by weight that doesn't create a cyale-

Iteration	Candidates	Choice	
1	1-4, 6-7	1-4	
2	6-7	6-7	
3	1-2, 3-4	1-2	
4	3-4	3-4	
5	4-7	4-7	
6	7-5	7-5	

Prim's Algorithm



Pick the Smallest edge with one vertex in the mst, and the other not.

		•	
Iteration	Candidates	Choice	
1	AB(2), Ac(6), AD(5)	AB(2)	
	• •		
2	AC(6), AD(5), BD(6),	AD(5)	
	BE(8)	•	
3	AC(6), DF(2), D6(3),	DF(2)	
	BE(8), CD(10)		
4	AC(6), DG(3), BE(8),	DG (3)	
	CD(10), EF(4), FG(9)		
5	AC(6), BE(8), CD(10),	EG(I)	
	EFOH, EG(1), CG(4)		
6	AC(6), CD(10), CG (7)	AC(6)	