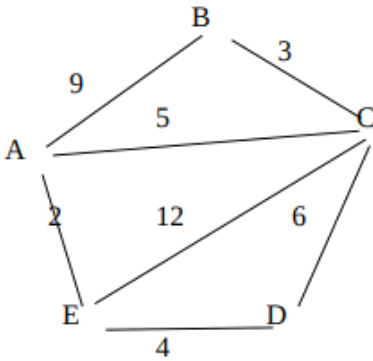


# HW18e - 4.17

Wednesday, March 29, 2023

6:24 PM

6. Consider the following weighted graph  $G_w$ .

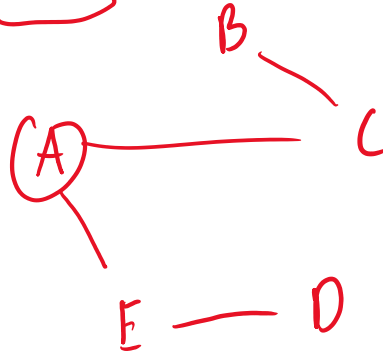


7. Consider again graph  $G_w$  in problem #6.

b) List the edges in the order added by Prim's algorithm when the initial chosen node is A.

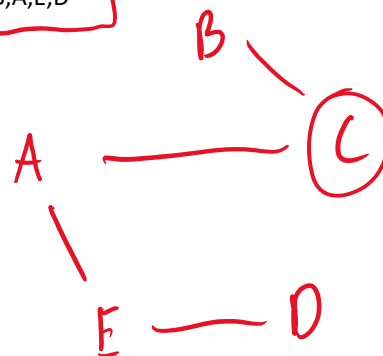
c) List the edges in the order added by Prim's algorithm when the initial node chosen is C.

b) E,D,C,B



Edge	Node
A, E	E
E, D	D
A, C	C
C, B	B

c) B,A,E,D



Edge	Node
C, B	B
C, A	A
A, E	E
E, D	D