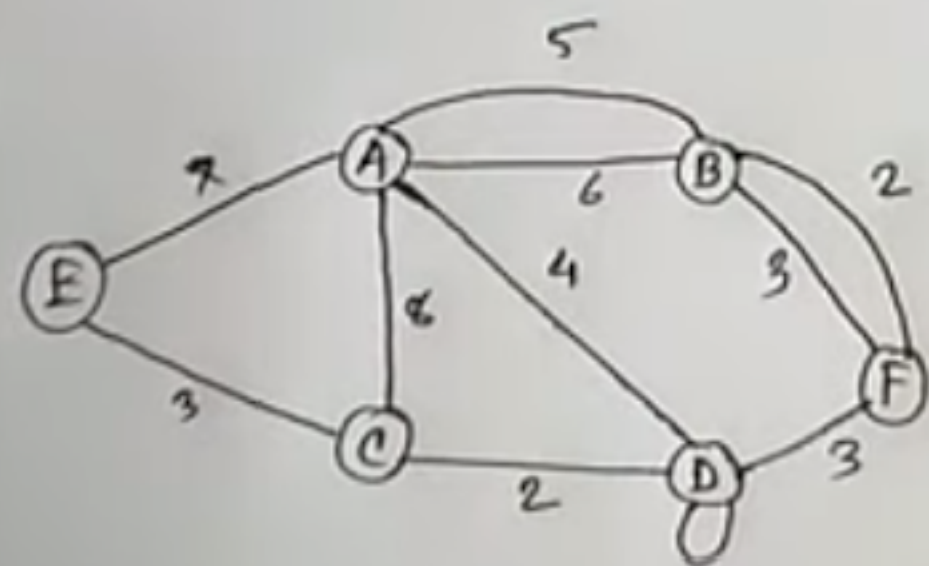


## Kruskal's Algorithm for MST

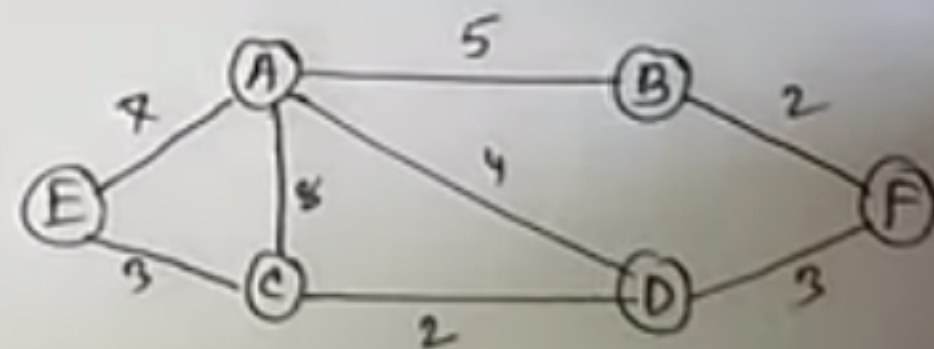
Md. Farhan Hossain  
B.Sc. in CSE, UAP  
farzhanhossain24@gmail.com

⇒

- (i) Graph থেকে Loop delete করা হবে।
- (ii) Graph থেকে parallel edge delete করা হবে।
- (iii) Cycle রহিত থাকে না, নতুন MST এর জন্য।

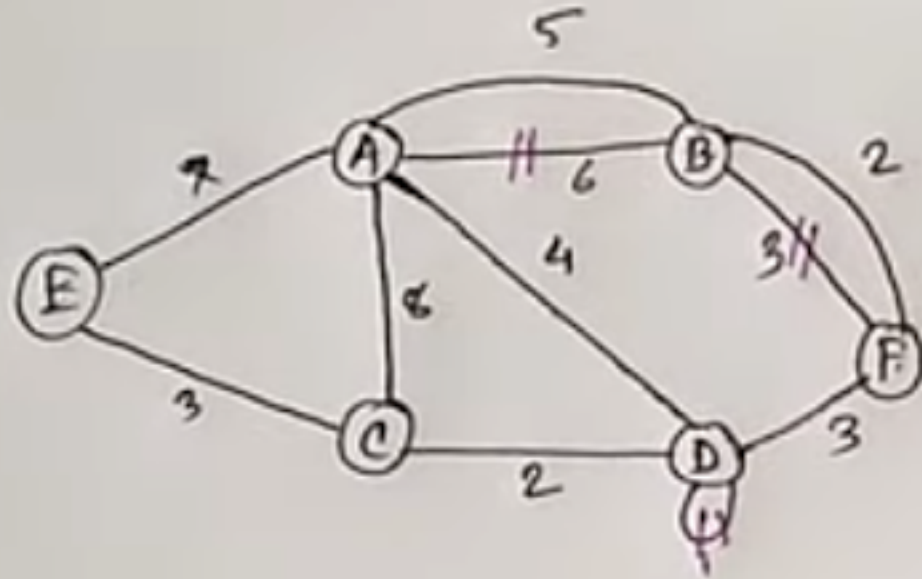


⇒

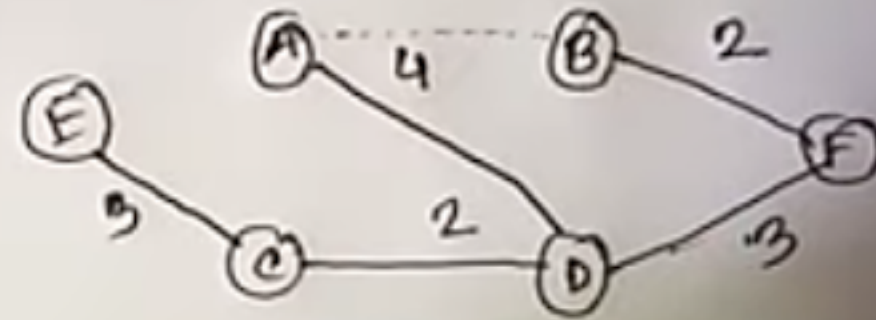
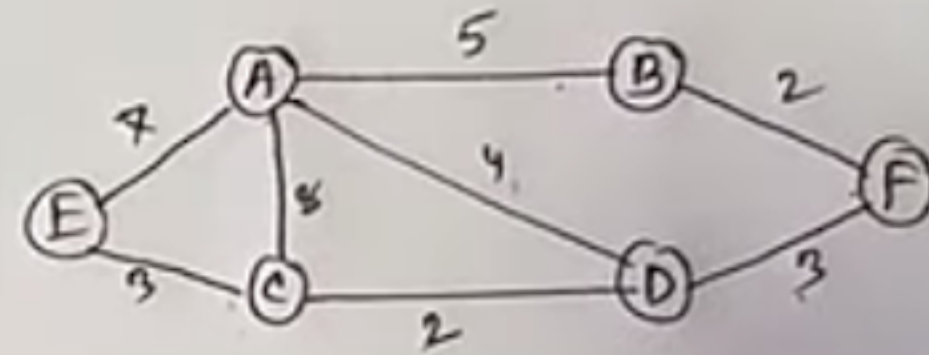


⇒

- (i) Graph ରୁ Loop delete କରାଯାଏ।
- (ii) Graph ରୁ parallel edge delete କରାଯାଏ।
- (iii) Cycle ରହିବା ଆଗରୁ ନ, ନହେଲେ MST ଏହା କରାଯାଏ।



⇒



BF → 2

CD → 2

DF → 3

CE → 3

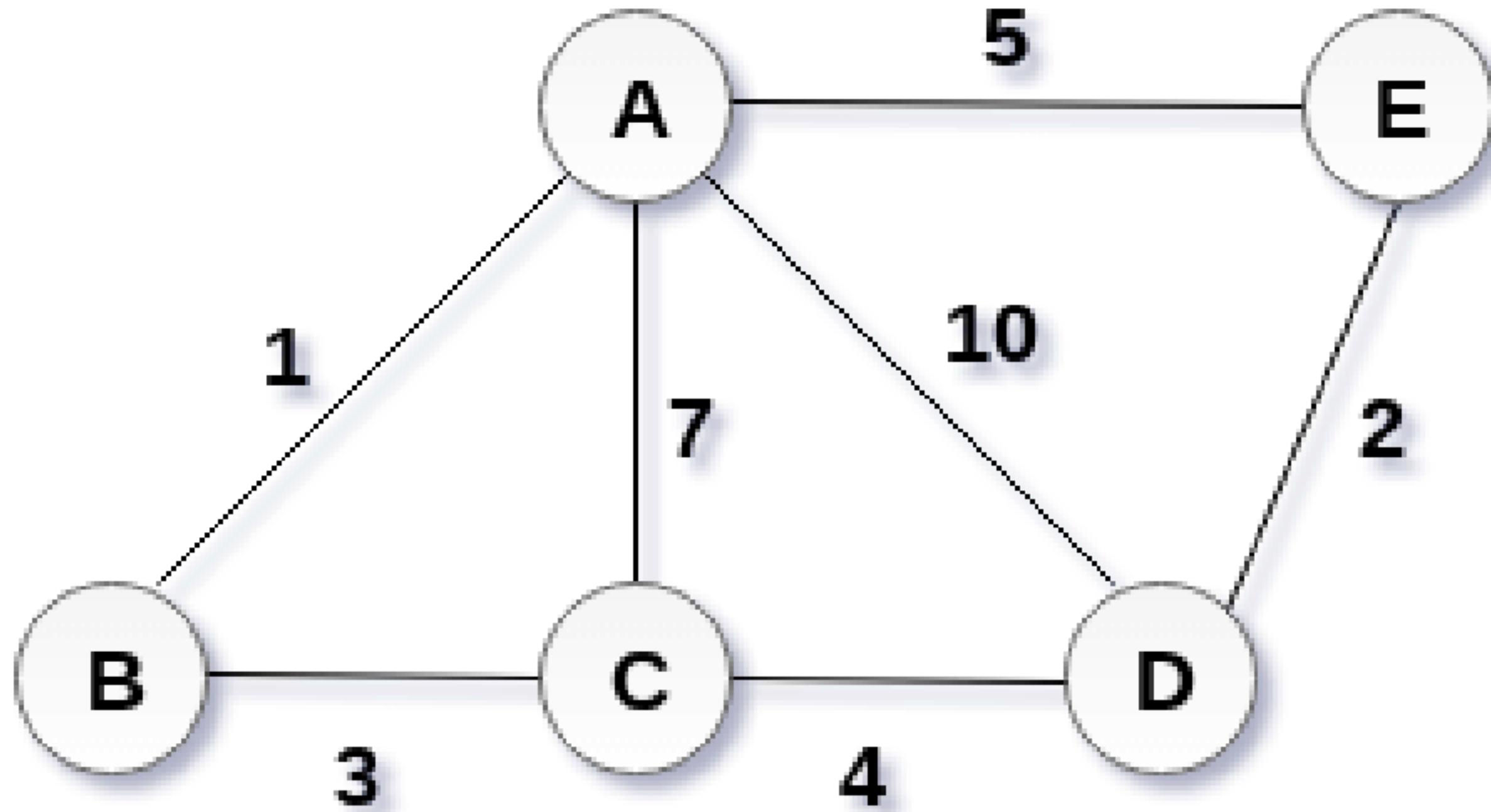
AD → 4

AB → 5

AE → 7

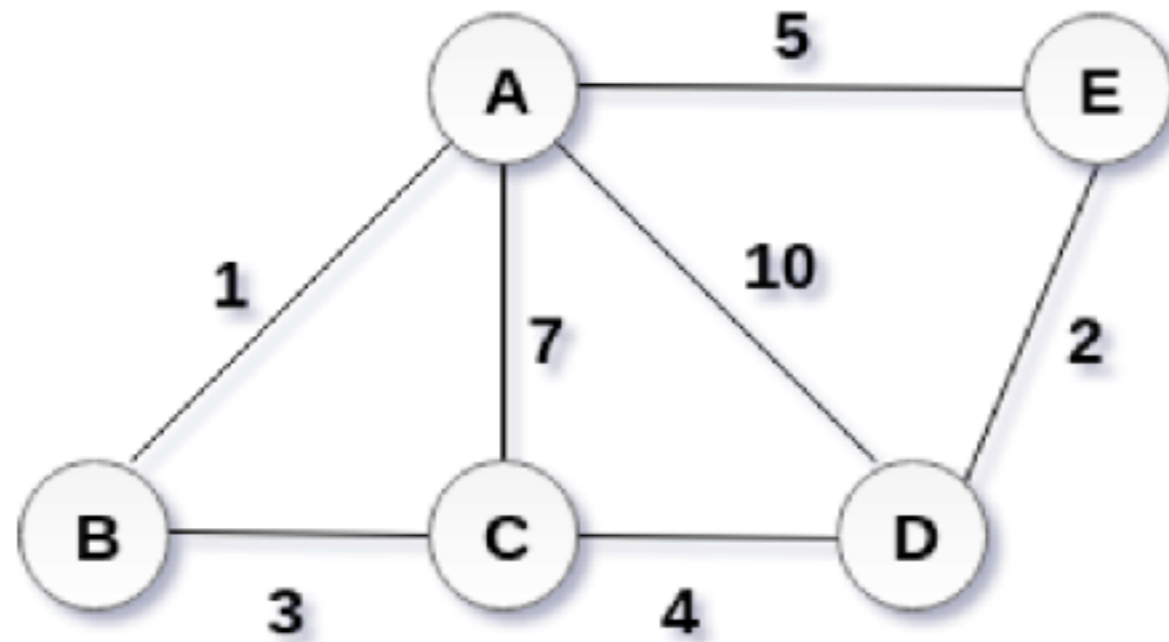
AC → 8

# Kruskal's Algorithm



# Kruskal's Algorithm

SORT - graph weight

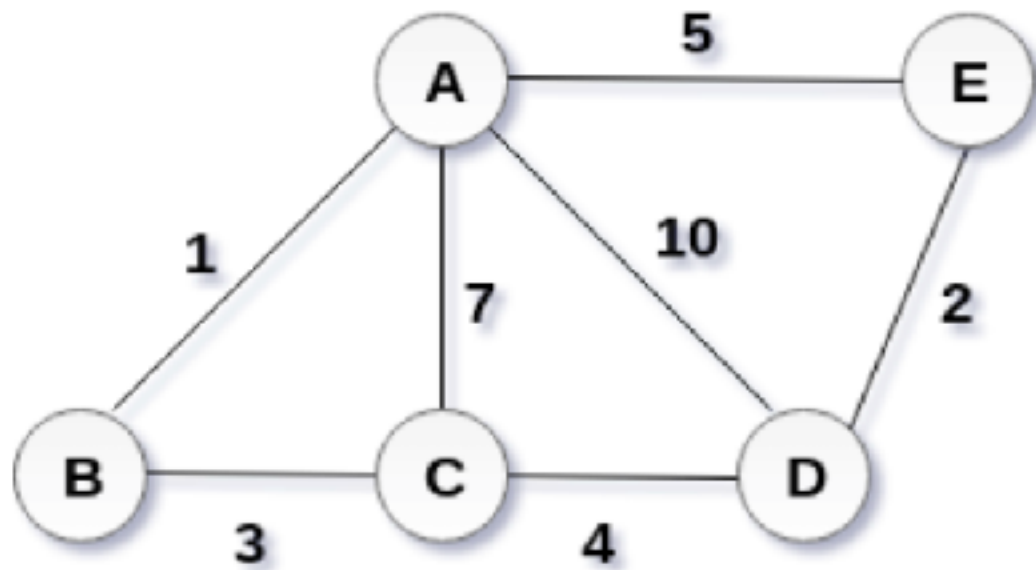


A	B		1
E	D		2
B	C		3
C	D		4
A	E		5
A	C		7
A	D		10

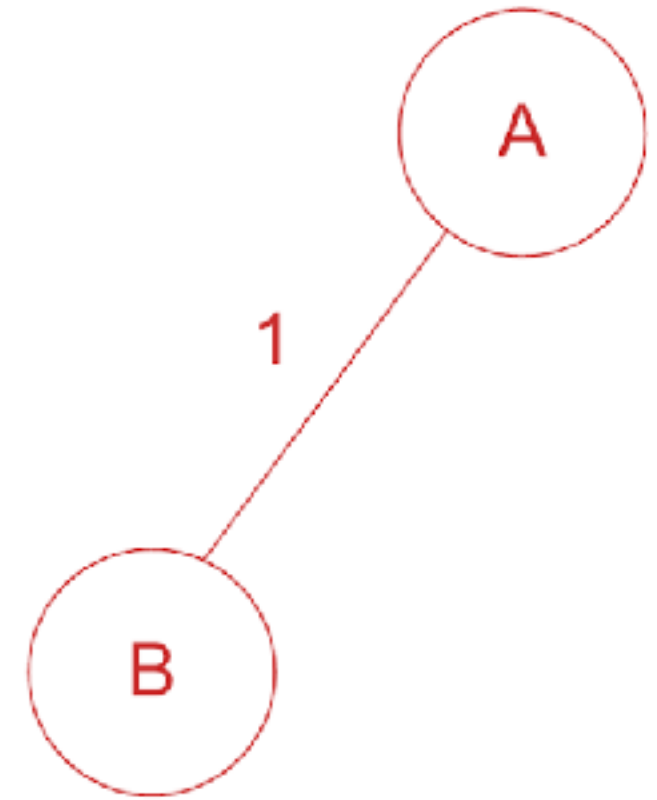


# Kruskal's Algorithm

SORT - graph weight

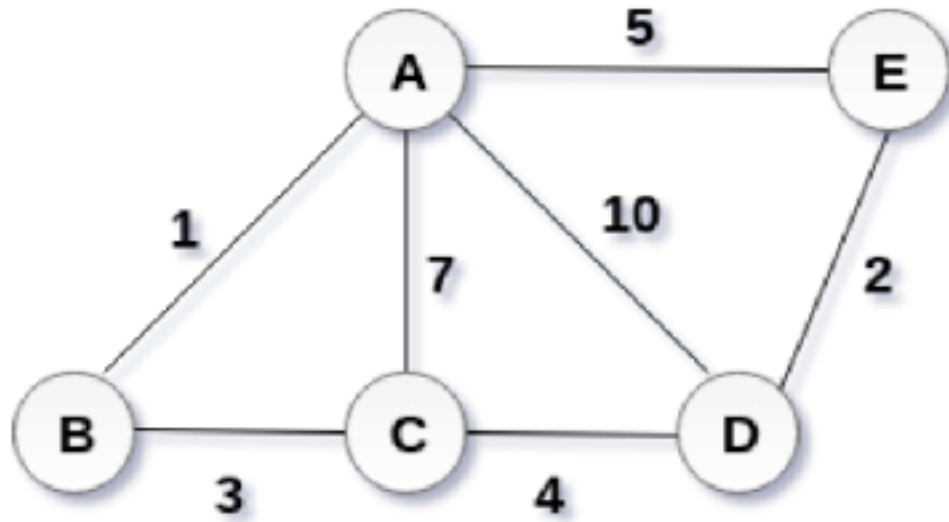


A	B		1
E	D		2
B	C		3
C	D		4
A	E		5
A	C		7
A	D		10

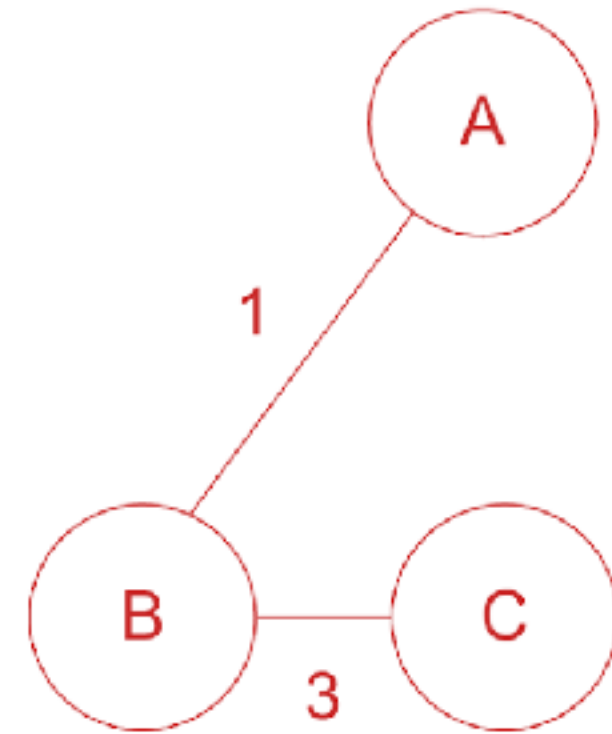


# Kruskal's Algorithm

SORT - graph weight

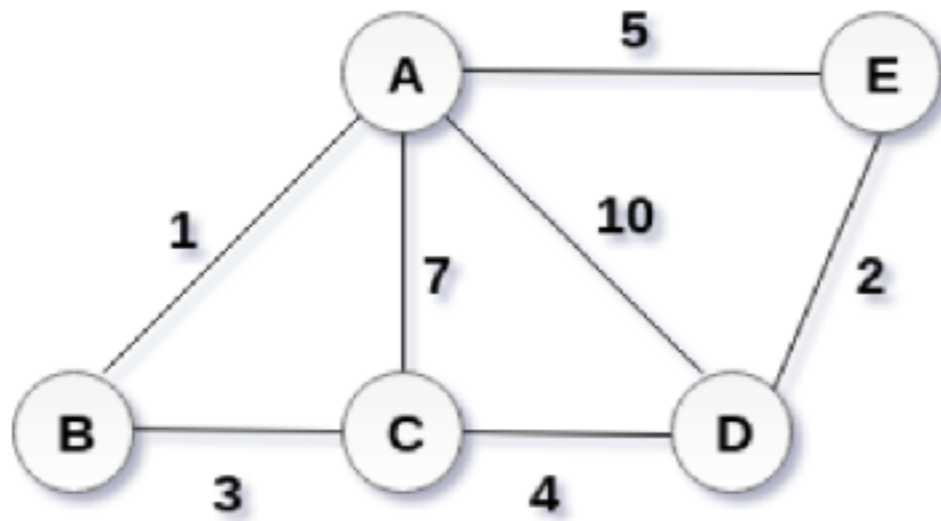


A	B		1
E	D		2
B	C		3
C	D		4
A	E		5
A	C		7
A	D		10

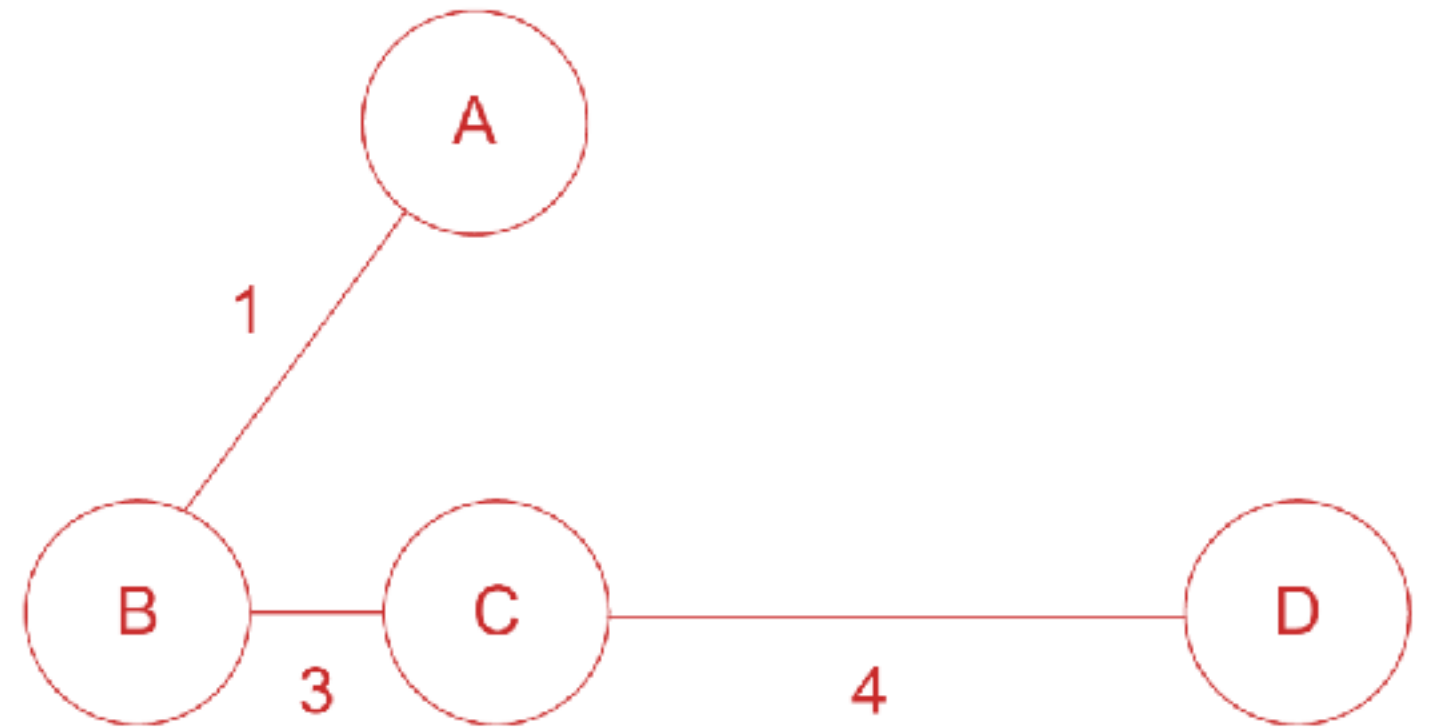


# Kruskal's Algorithm

SORT - graph weight

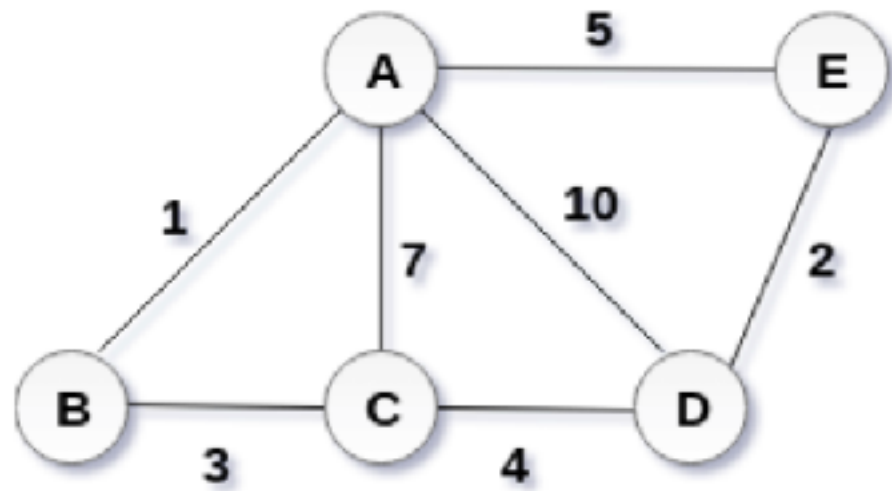


A	B		1
E	D		2
B	C		3
C	D		4
A	E		5
A	C		7
A	D		10



# Kruskal's Algorithm

SORT - graph weight



A	B		1
E	D		2
B	C		3
C	D		4
A	E		5
A	C		7
A	D		10

