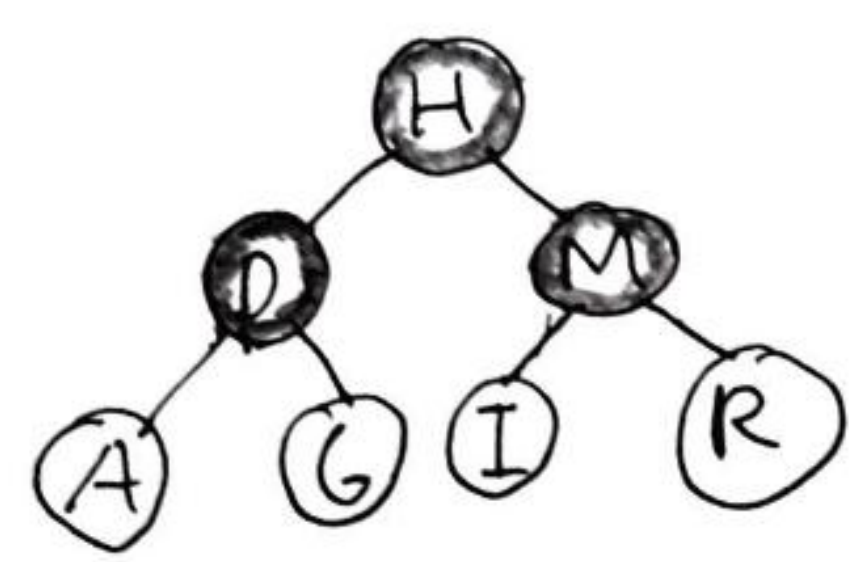


# Quiz 2 Data Structure

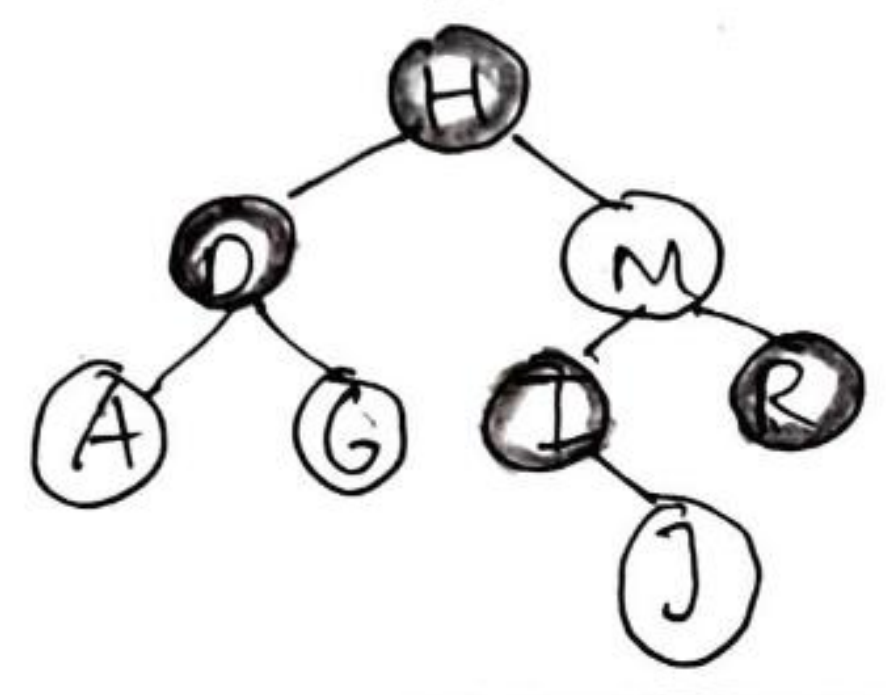
Nama : Sendiawan  
NIM : 2301862733  
Kelas : LX01

○ = merah  
● = hitam

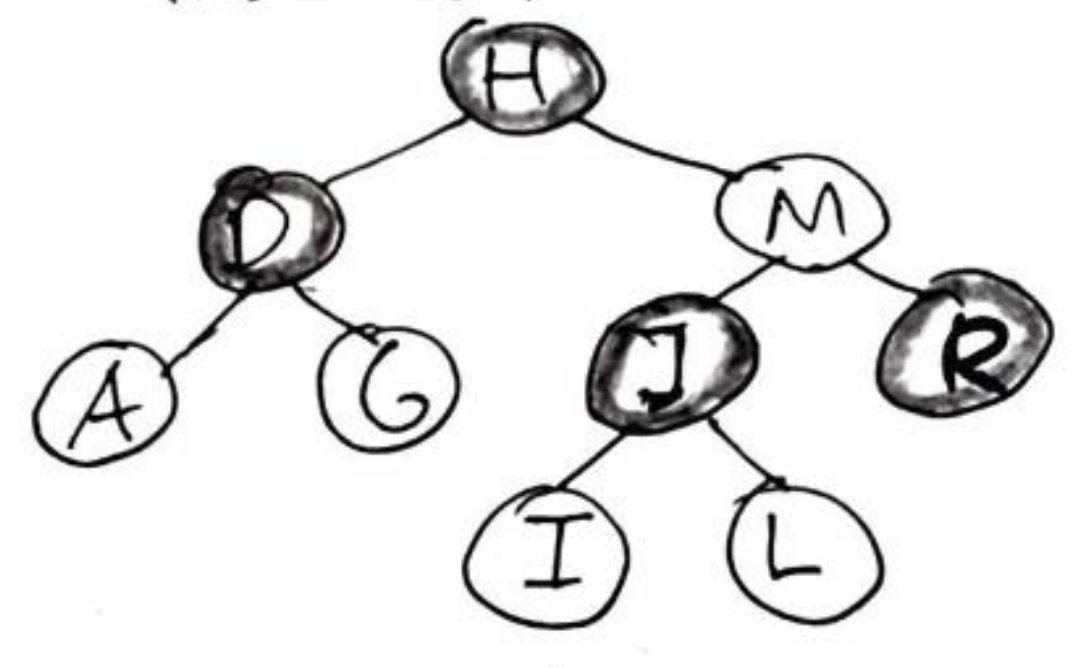
1) a) • Insert (G)



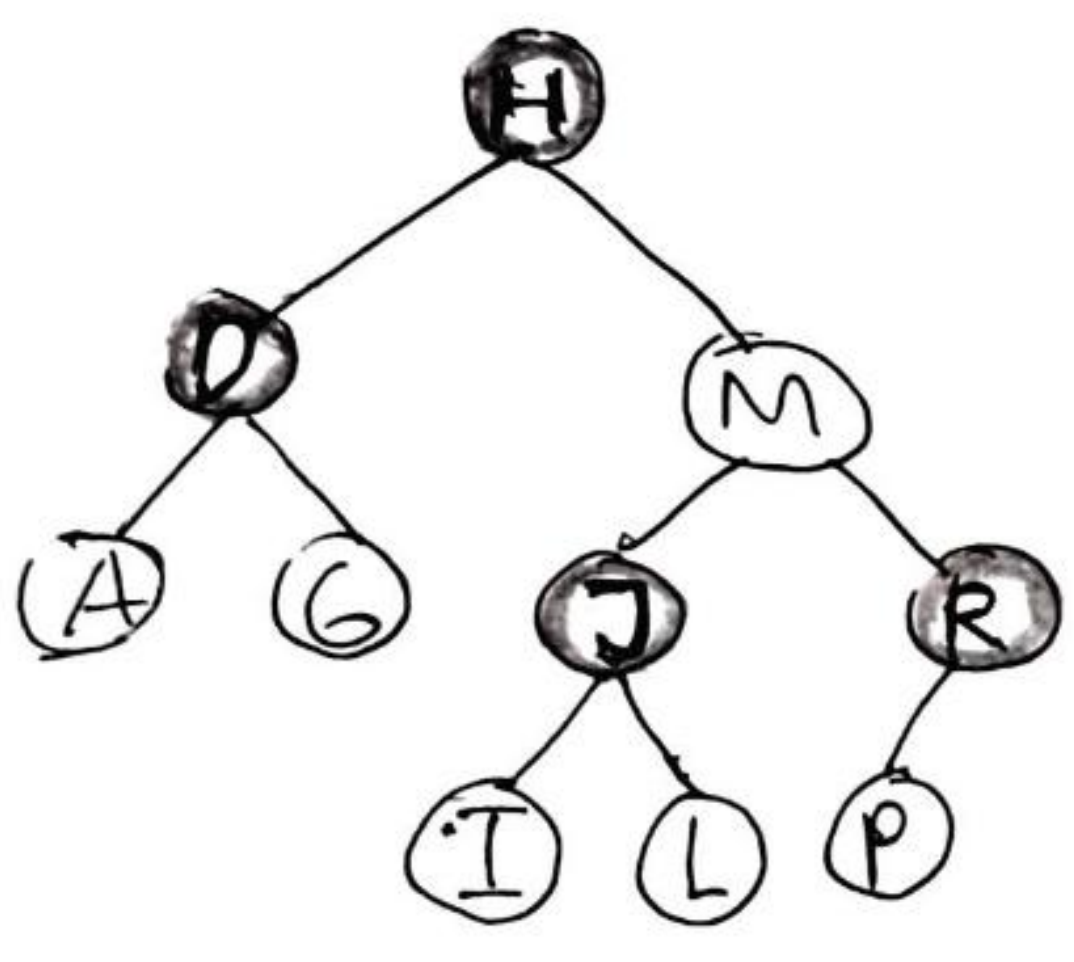
• Insert (J)



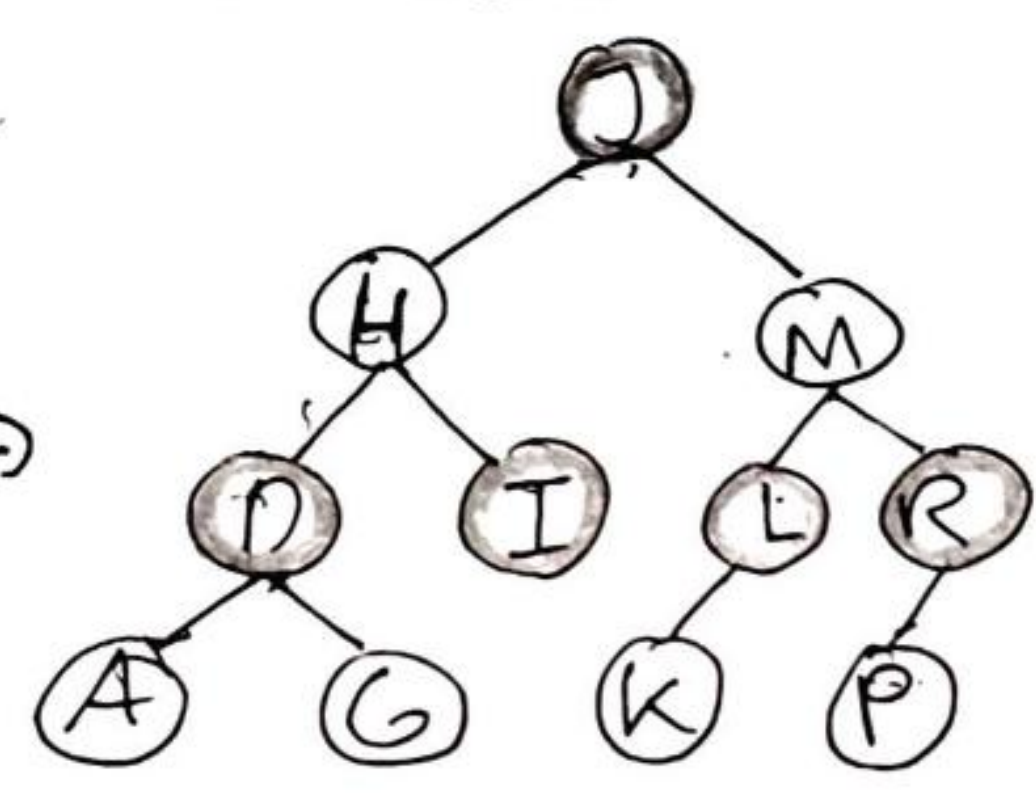
• Insert (L)



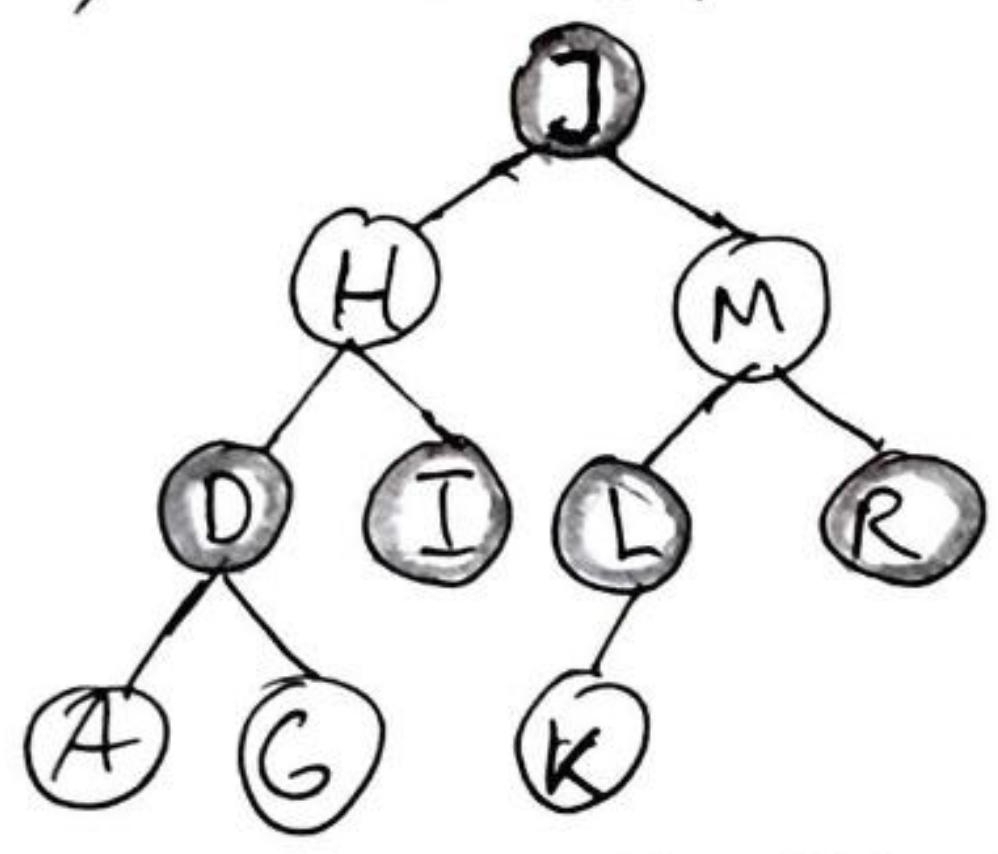
• Insert (P)



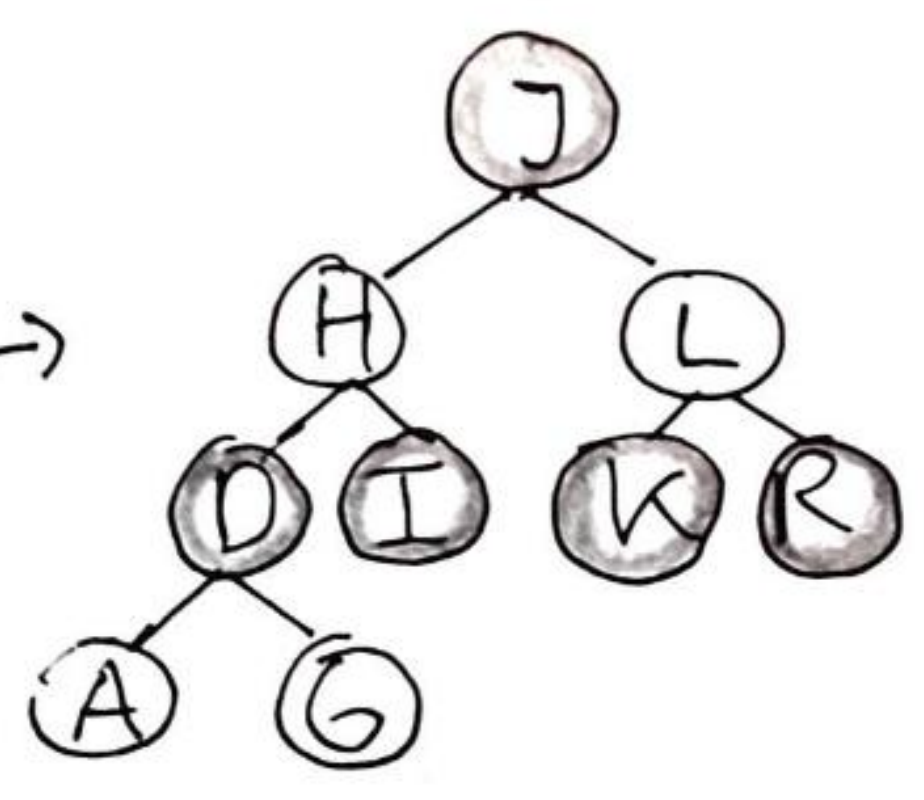
• Insert (K)



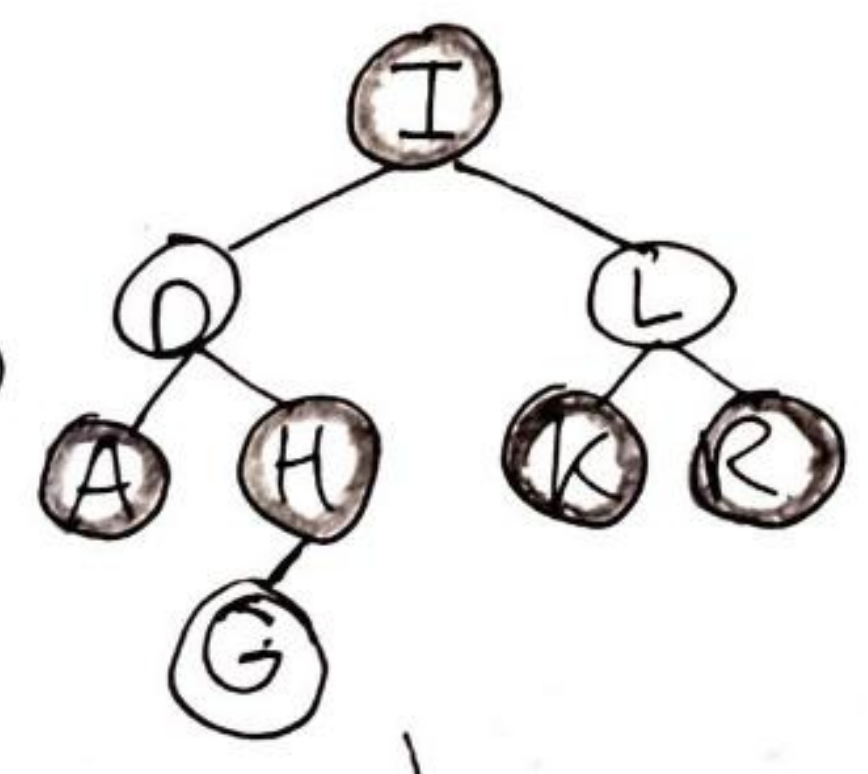
b) • Delete (P)



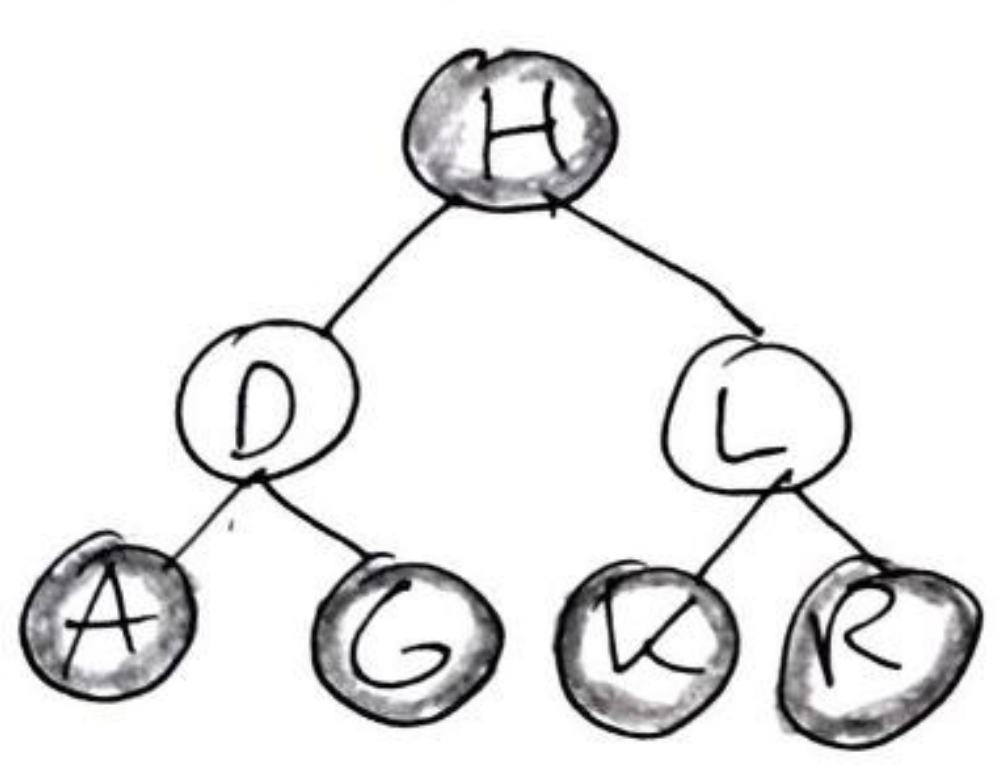
• Delete (M)



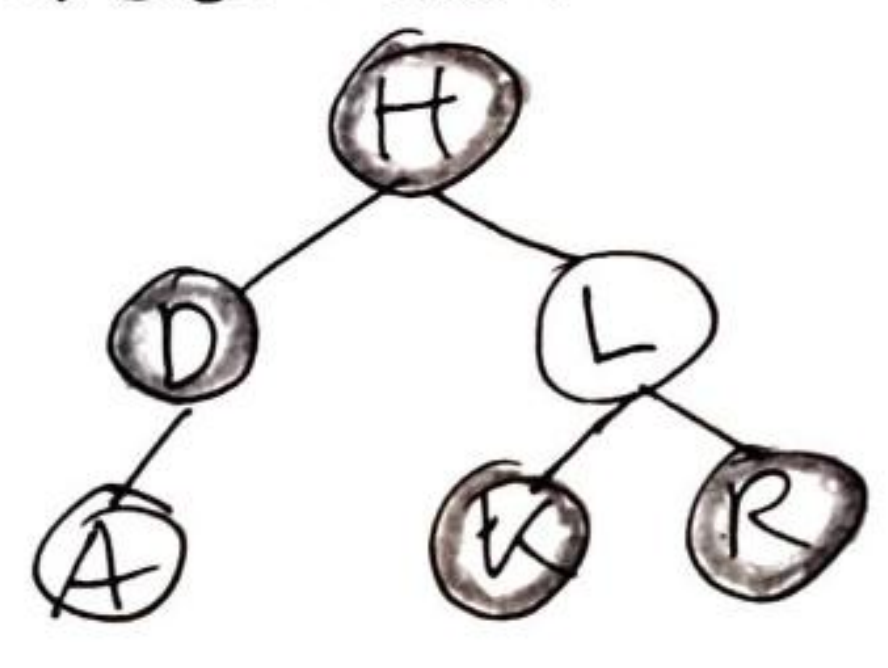
• Delete (J)



• Delete (I)

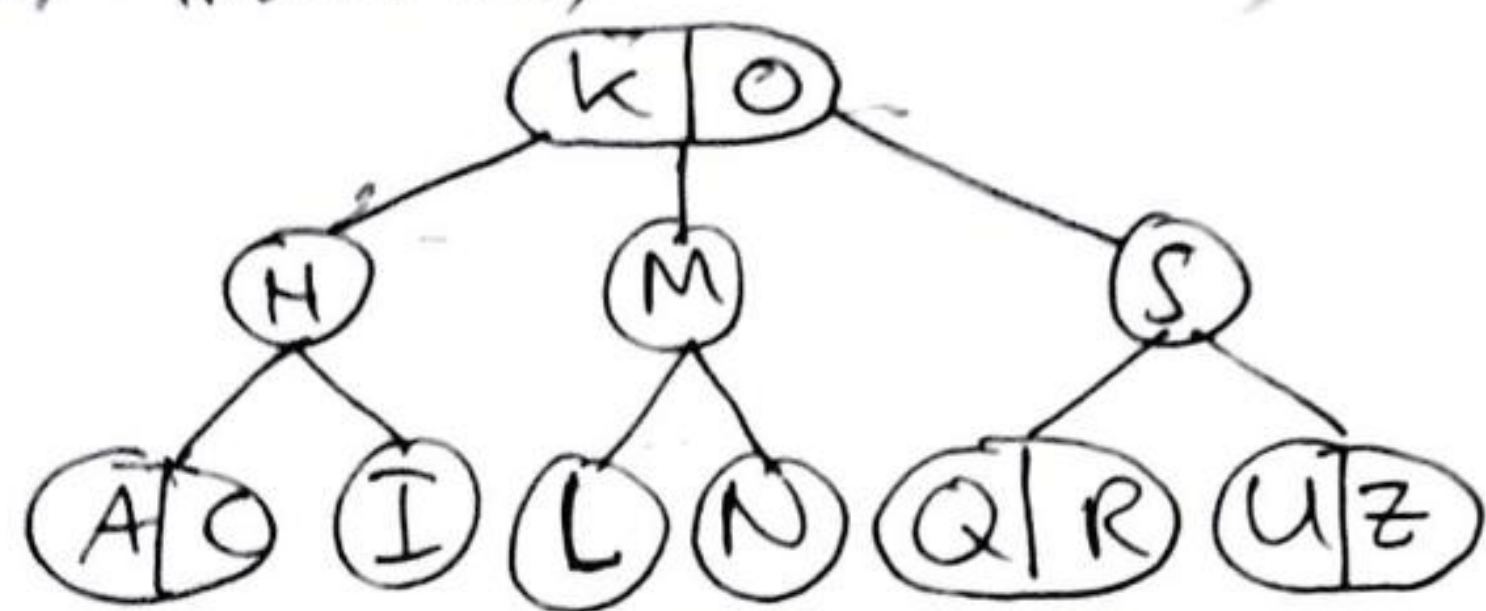


• Delete (G)

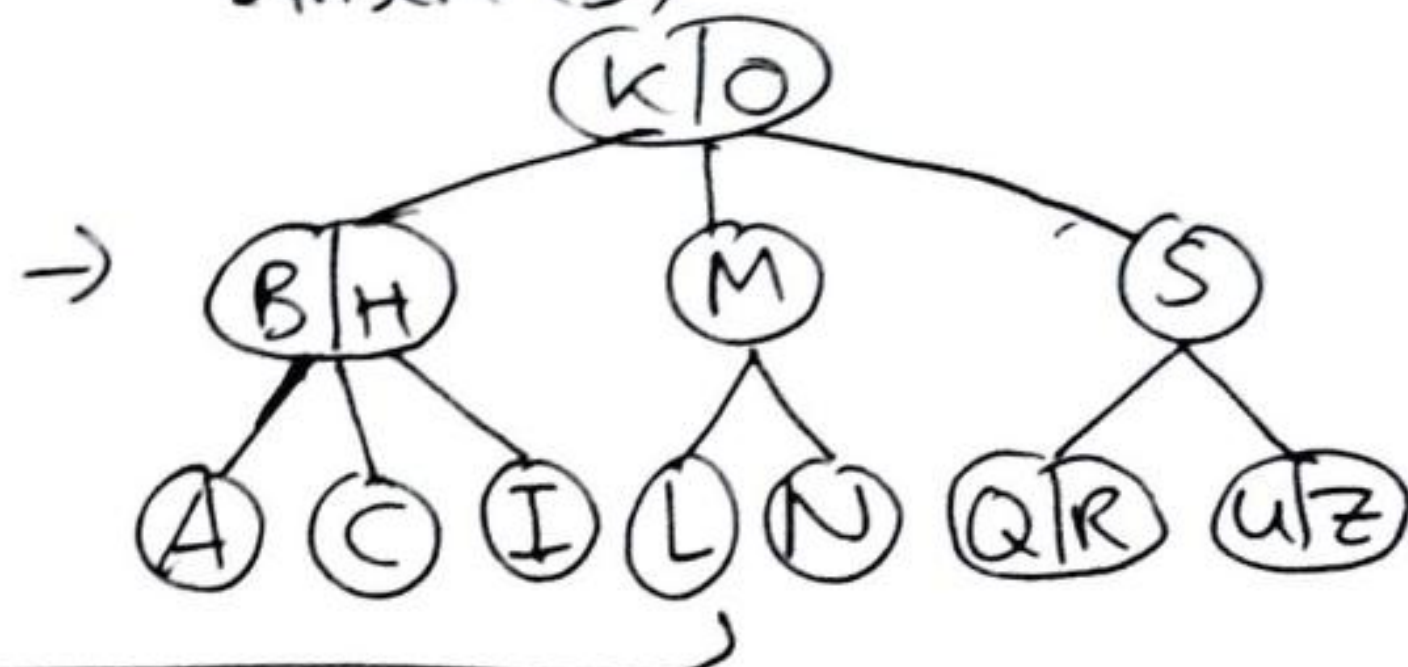




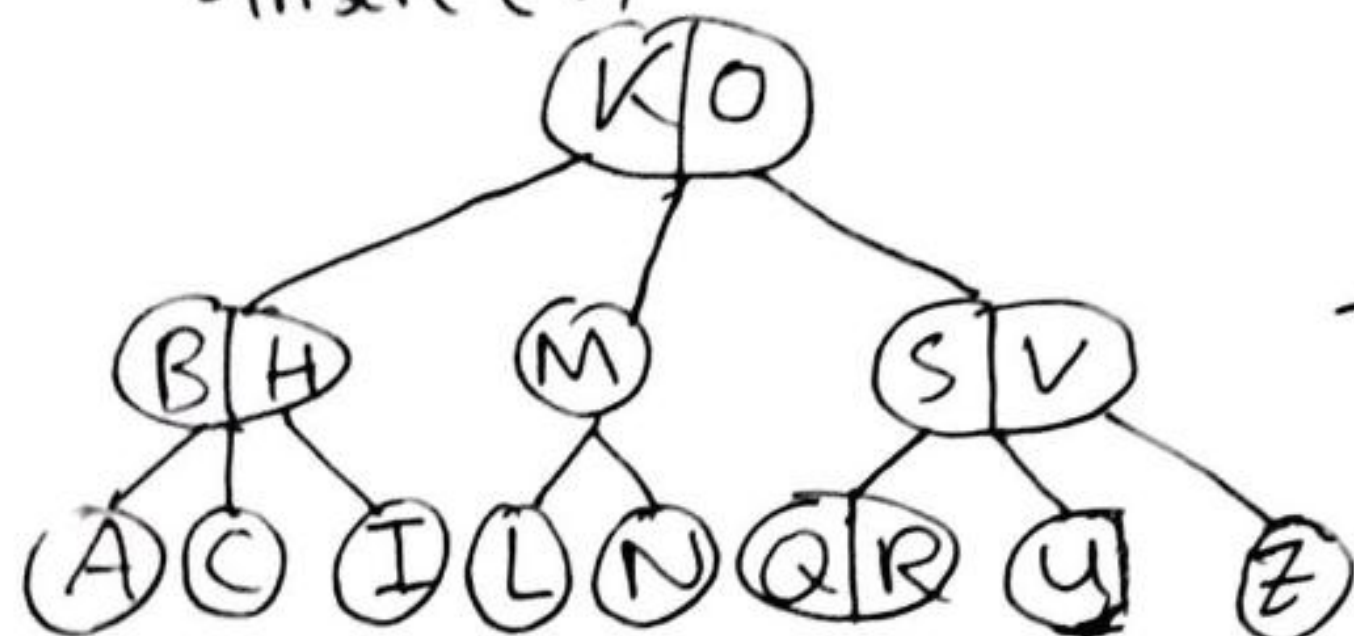
2) a) • Insert (Z)



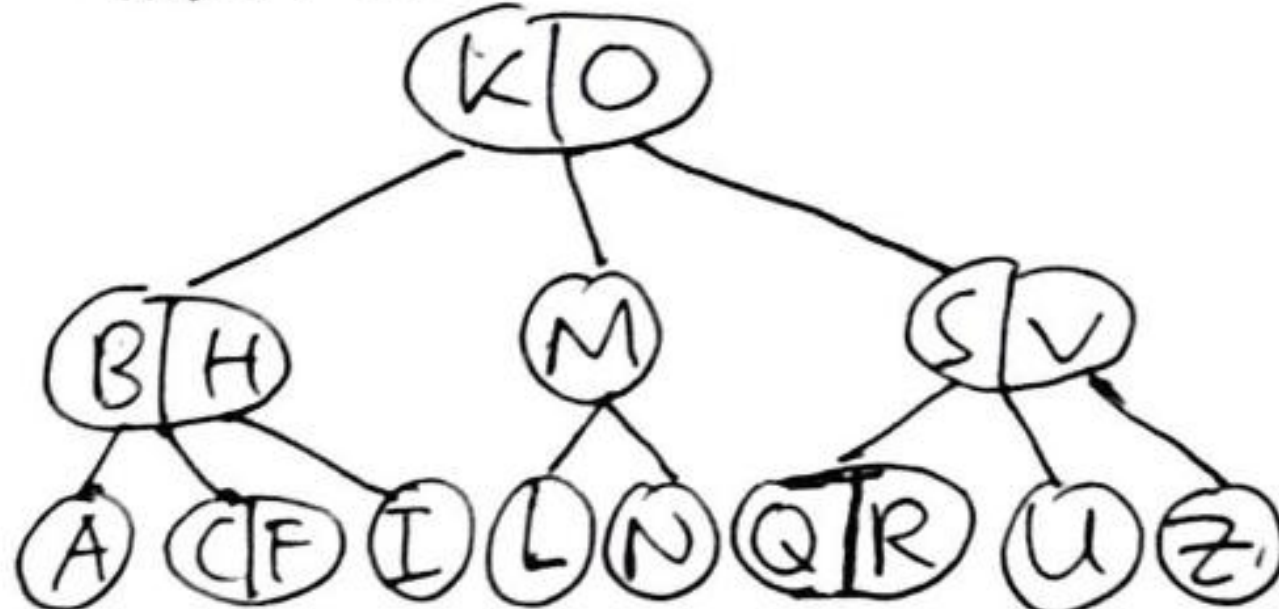
• Insert (B)



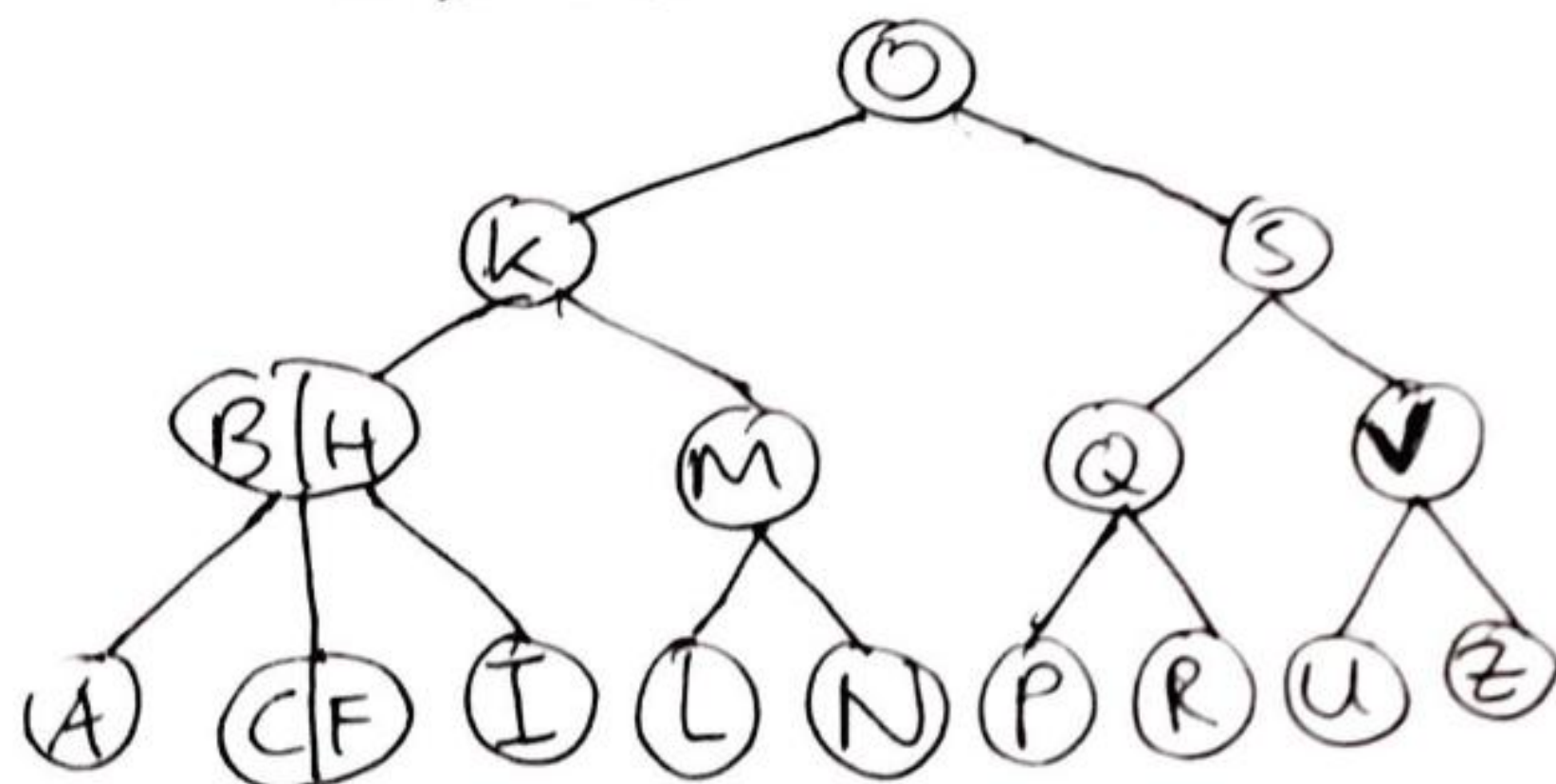
• Insert (V)



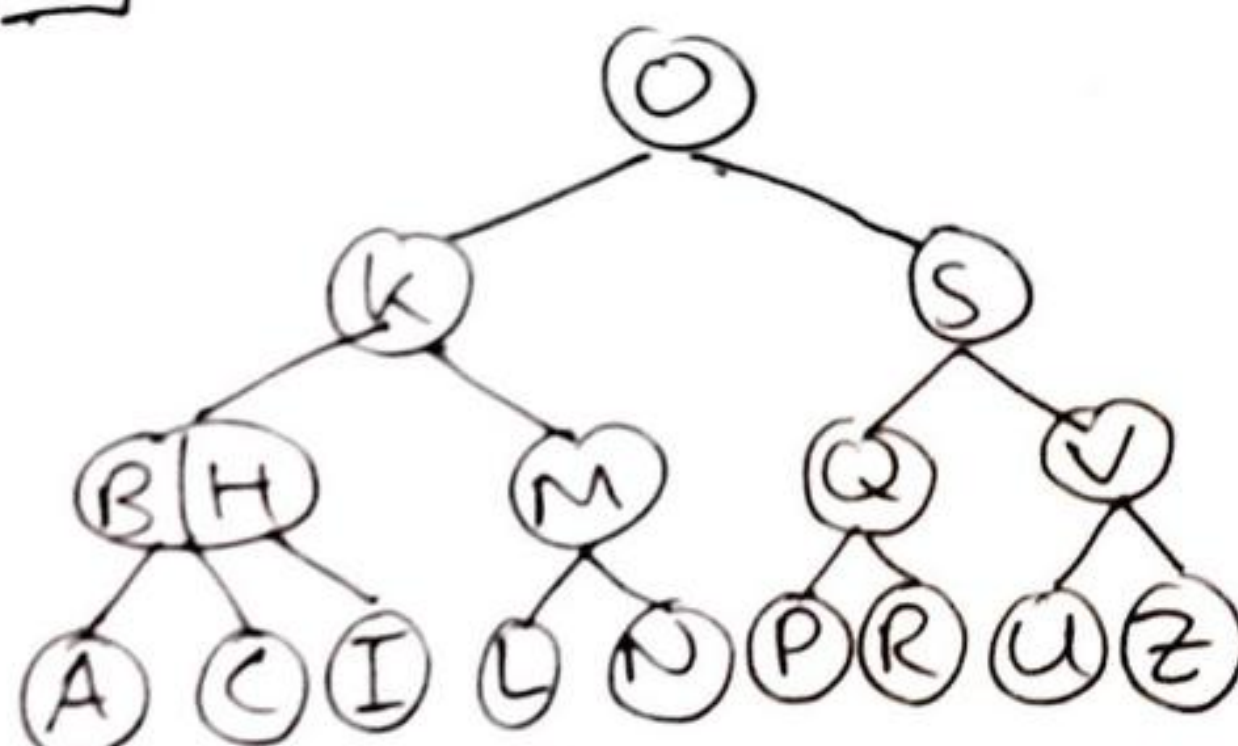
• Insert (F)



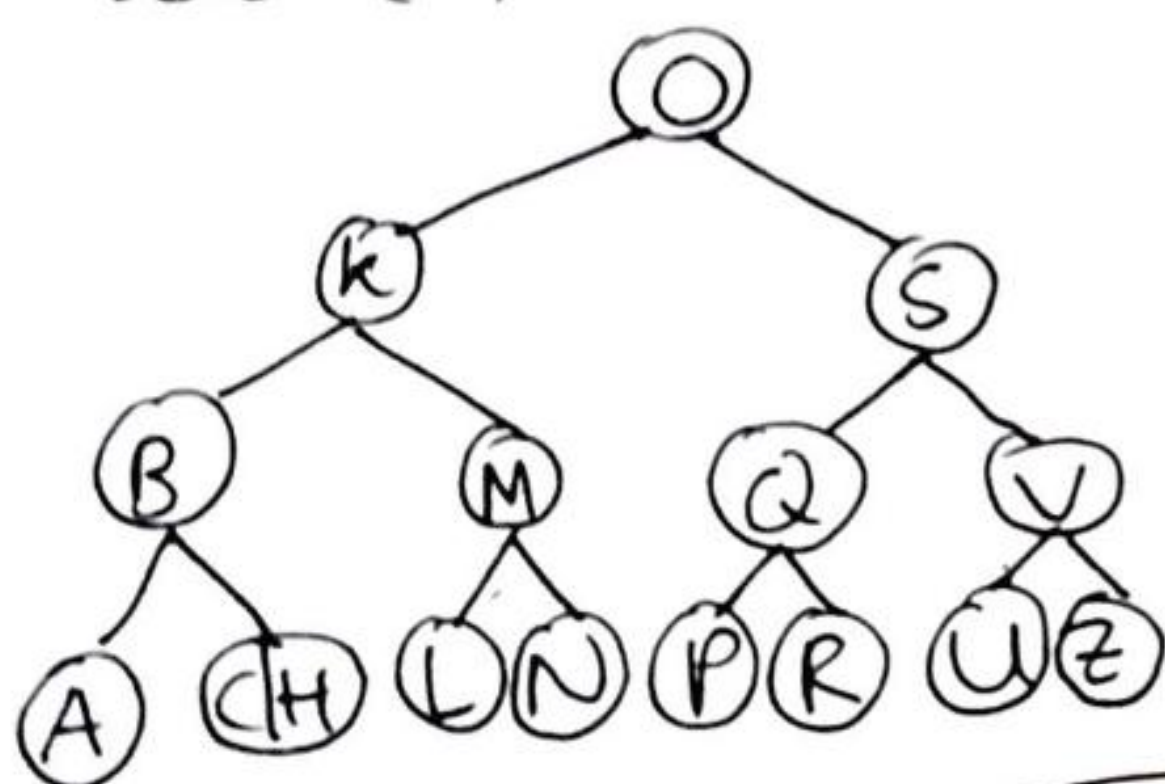
• Insert (P)



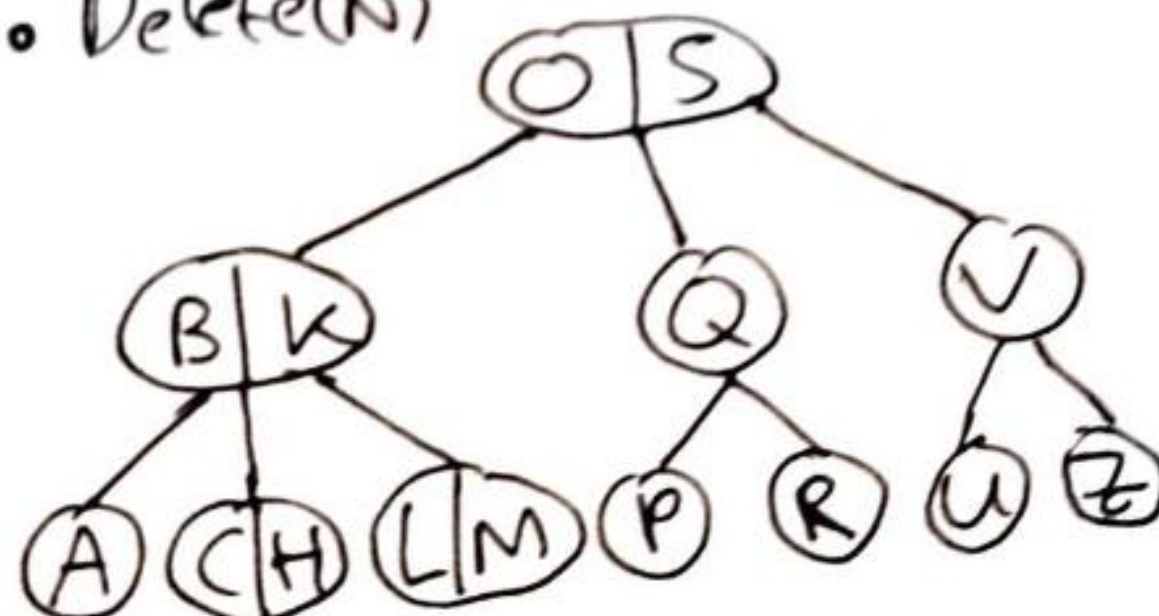
b) • Delete (F)



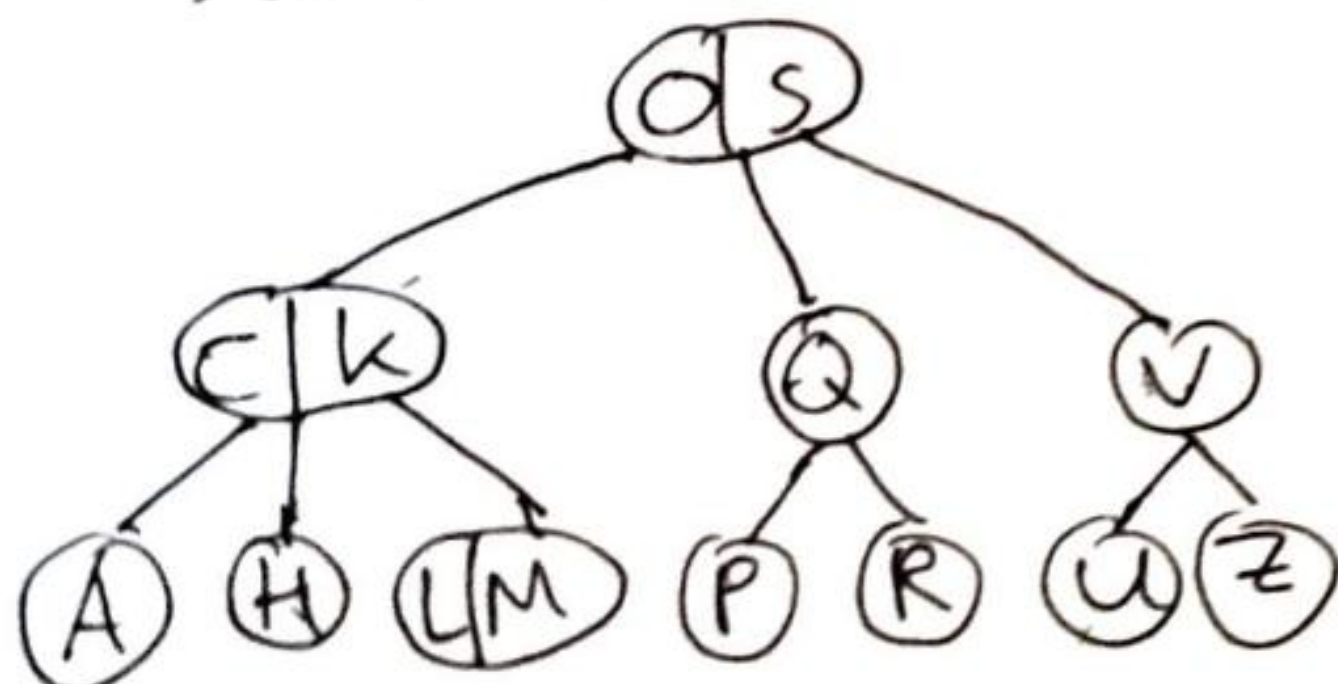
• Delete (I)



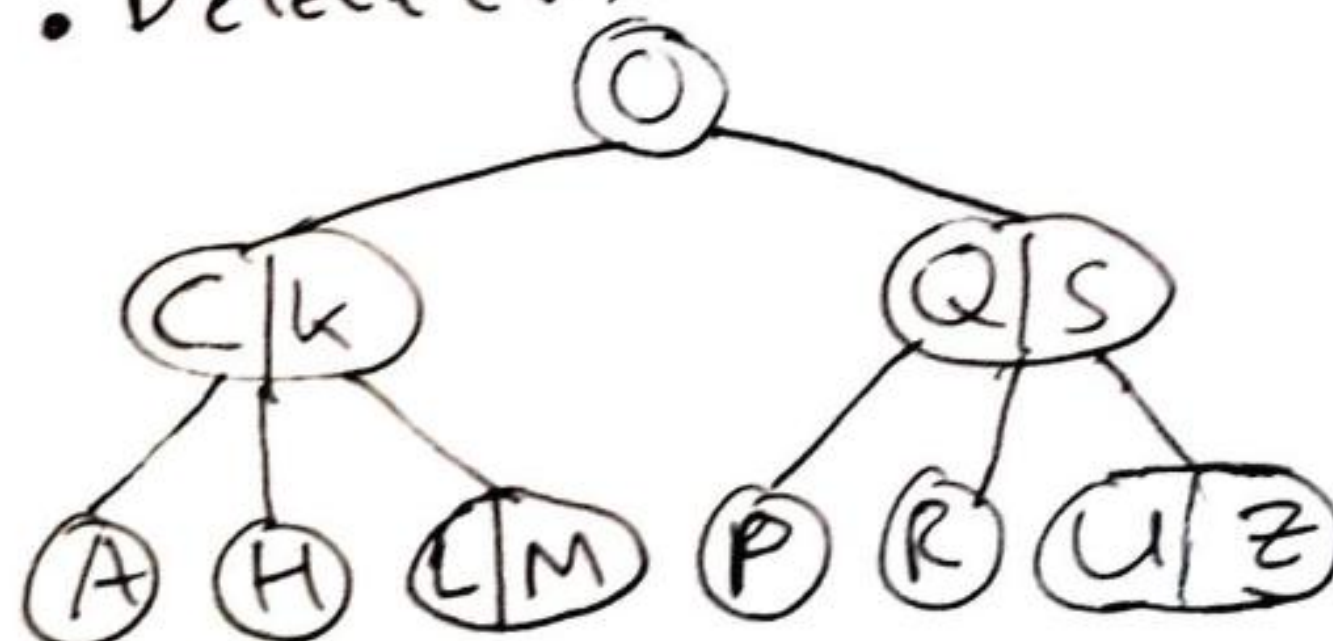
• Delete (N)



• Delete (B)



• Delete (V)





3) Kruskal algorithm

Agency list	T	V
A-B (19)	NULL	
A-D (12)		
A-E (14)		
B-C (19)		
B-E (6)		
B-F (7)		
C-F (9)		
C-G (12)		
D-E (9)		
D-H (7)		
E-F (11)		
E-H (13)		
E-I (5)		
F-G (13)		
F-I (12)		
F-J (11)		
G-J (6)		
H-I (15)		
I-J (14)		

→

Adj. list[sorted]	<del>1</del>		1		2	
	T	V	T	V	T	V
E-I (5)	NULL		NULL	E	NULL	E
B-E (6)					E-I (5)	I
G-J (6)						
B-F (7)						
D-H (7)						
C-F (9)						
D-E (9)						
E-F (11)						
F-J (11)						
A-D (12)						
C-G (12)						
F-I (12)						
E-H (13)						
F-G (13)						
A-E (14)						
I-J (14)						
H-I (15)						
A-B (19)						
B-C (19)						

↓

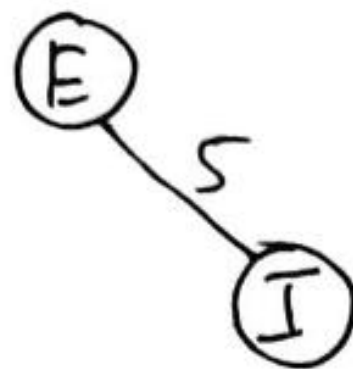
3		4		5		6		7		8		9		10		HASIL
T	V	T	V	T	V	T	V	T	V	T	V	T	V	T	V	
NULL	E	NULL	E	NULL	E	NULL	E	NULL	E	NULL	E	NULL	E	NULL	E	
E-I (5)	I	E-I (5)	I	E-I (5)	I	E-I (5)	I	E-I (5)	I	E-I (5)	I	E-I (5)	I	E-I (5)	I	
B-E (6)	B	B-E (6)	B	B-E (6)	B	B-E (6)	B	B-E (6)	B	B-E (6)	B	B-E (6)	B	B-E (6)	B	
		G-J (6)	G	G-J (6)	G	G-J (6)	G	G-J (6)	G	G-J (6)	G	G-J (6)	G	G-J (6)	G	
			J	B-F (7)	J	B-F (7)	J	B-F (7)	J	B-F (7)	J	B-F (7)	J	B-F (7)	J	
				<del>B-E (6)</del>	F	<del>B-E (6)</del>	F	<del>B-E (6)</del>	F	<del>B-E (6)</del>	F	<del>B-E (6)</del>	F	<del>B-E (6)</del>	F	
						D-H (7)	F	D-H (7)	F	D-H (7)	F	D-H (7)	F	D-H (7)	F	
							H	C-F (9)	D	C-F (9)	D	C-F (9)	D	C-F (9)	D	
									H	D-E (9)	H	D-E (9)	H	D-E (9)	H	
									C		C		C		C	
																[Continue]



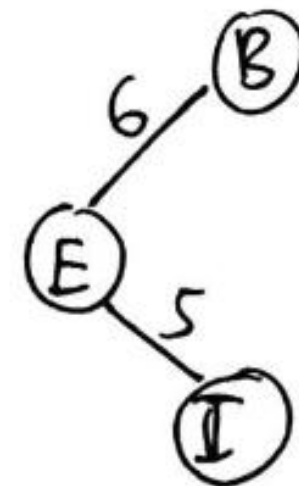
1)



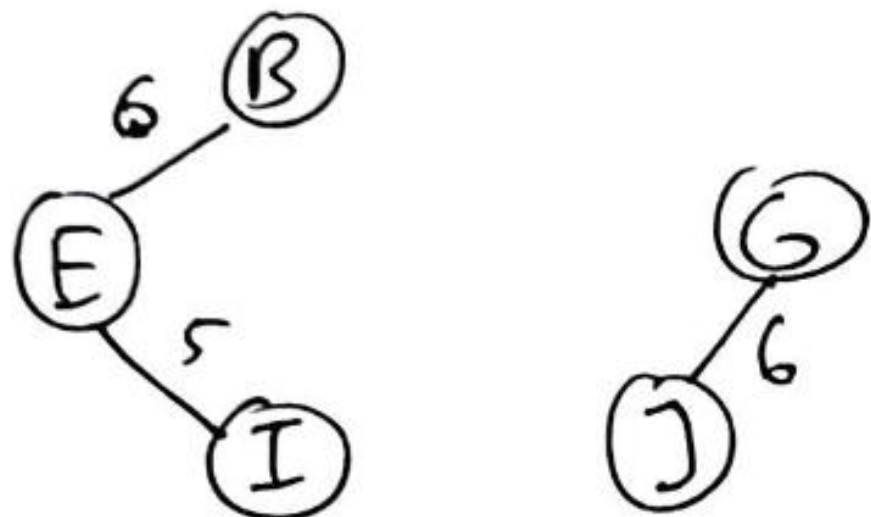
2)



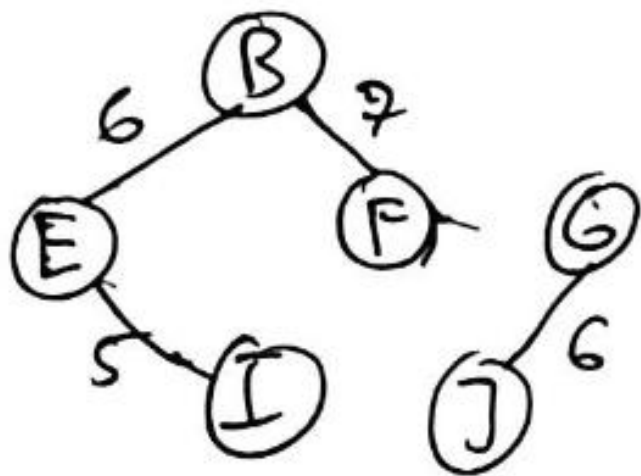
3)



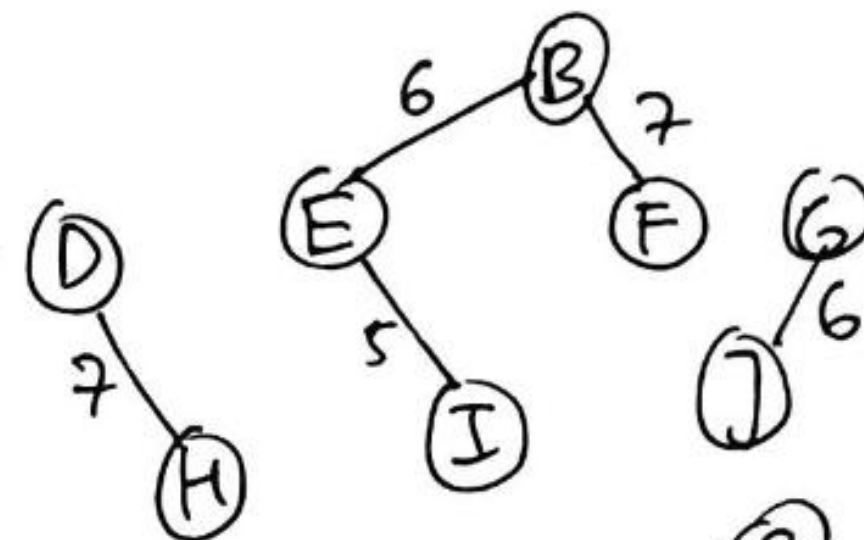
4)



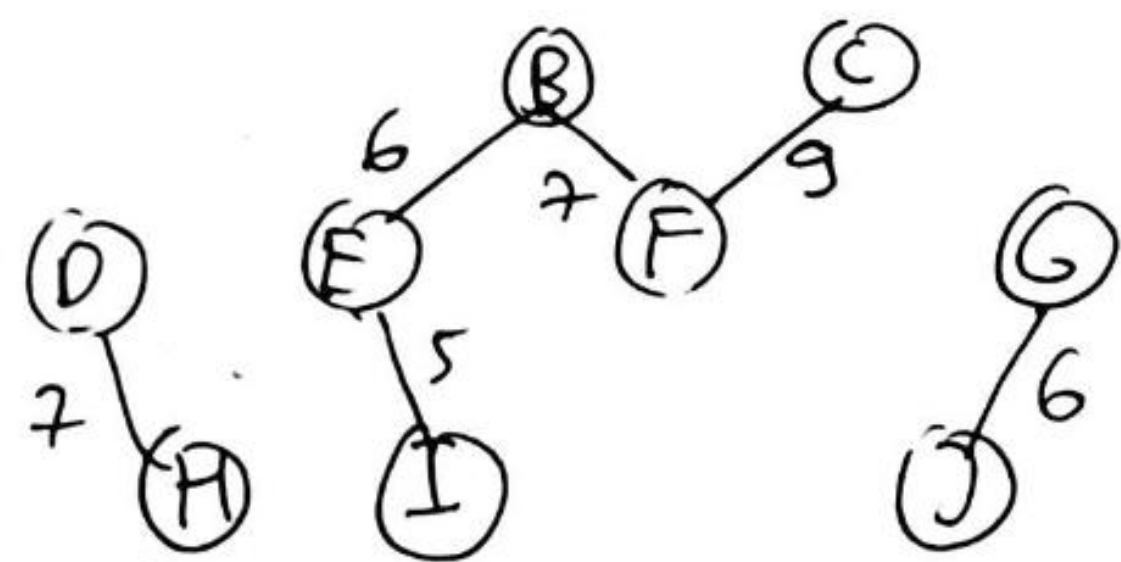
5)



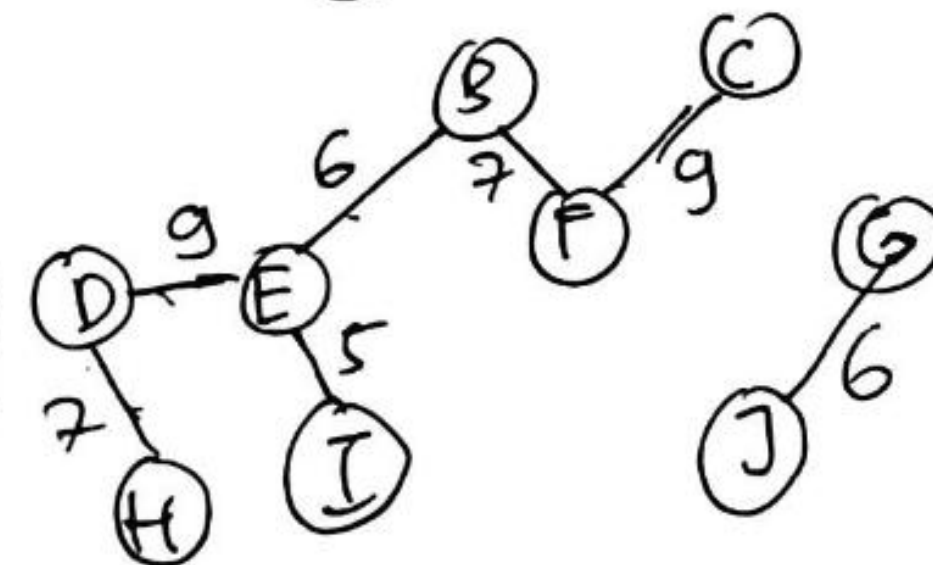
6)



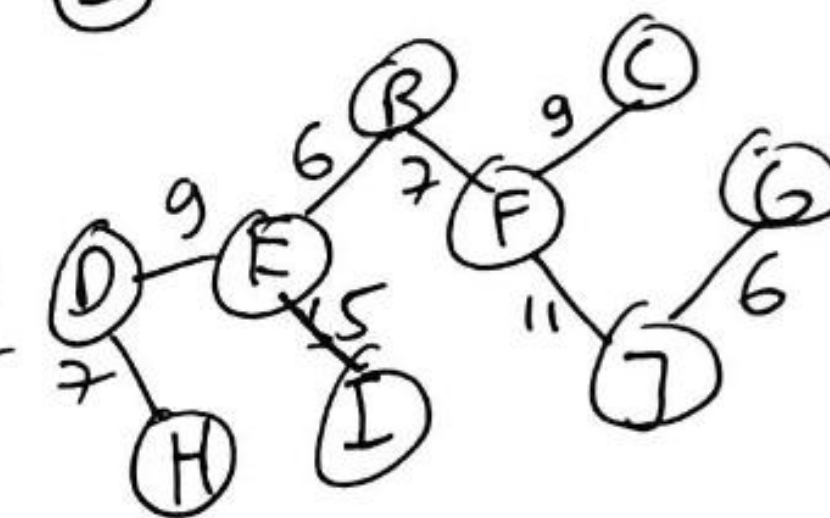
7)



8)



9)



10)

