

Vertices	Possible edges:														
A	A B 7	A C 6	A D 9												
A, C	A B 7		A D 9	C B 2	C G 1	C D 12									
A, C, G	A B 7		A D 9	C B 2		C D 12	G D 14	G F 3	G H 16						
A, C, G, B			A D 9			C D 12	G D 14	G F 3	G H 16	B E 5	B F 10				
A, C, G, B, F			A D 9			C D 12	G D 14		G H 16	B E 5		F E 4	F H 8		
A, C, G, B, F, E			A D 9			C D 12	G D 14						F H 8	E H 13	
A, C, G, B, F, E, H			A D 9			C D 12	G D 14								H D 20
A, C, G, B, F, H, E, D															
MST		A C 6	A D 9	C B 2	C G 1			G F 3				F E 4	F H 8		