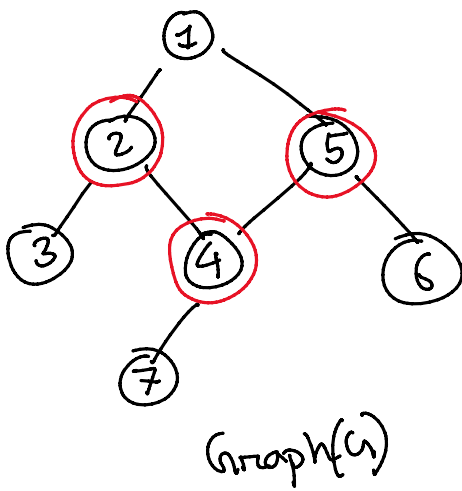
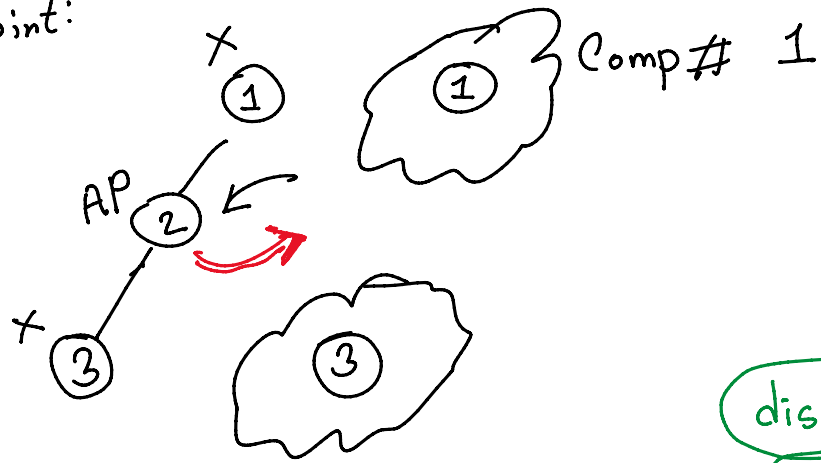
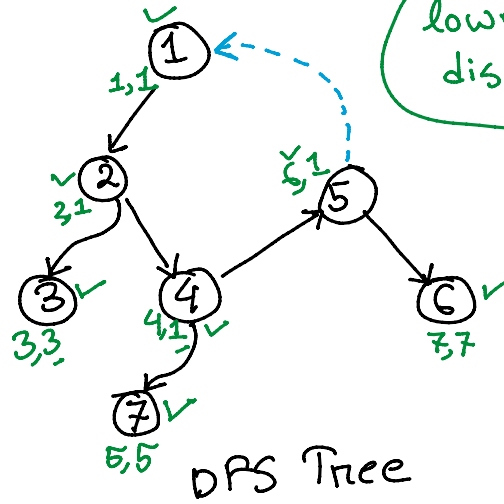


Articulation Point:



DFS(u)



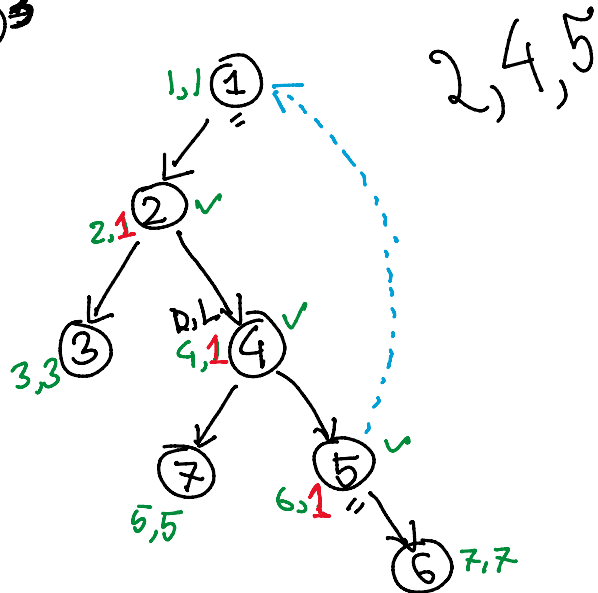
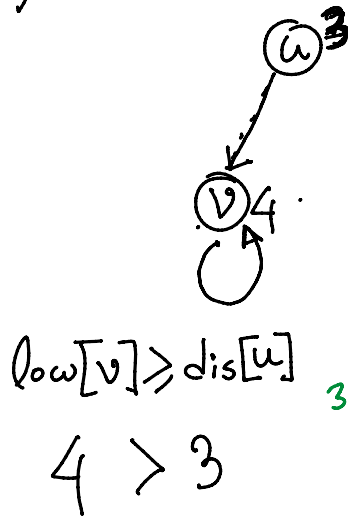
discovery time

lowest reachable discovery time

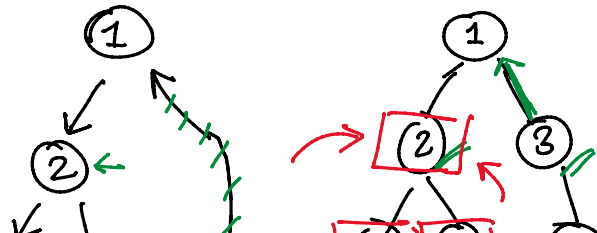
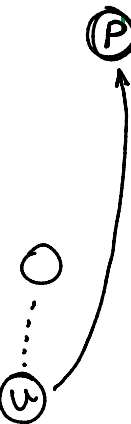
$4 \rightarrow 1, 5, 6, 7$

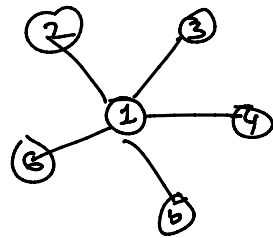
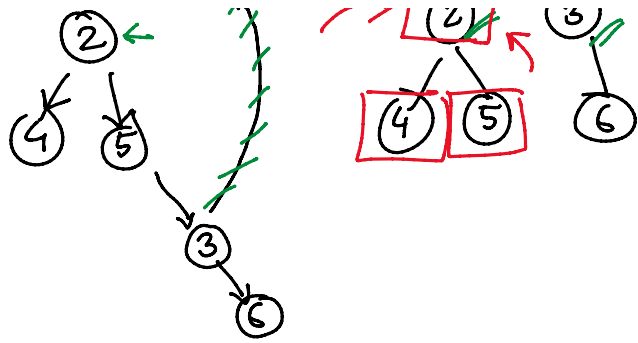
$4 \rightarrow 5, 7$

DFS Tree



2, 4, 5





$(())$

~~$(())$~~

$(())$

1, 1

$(($

0, 2

$(()) (()) (())$

(1, 2)