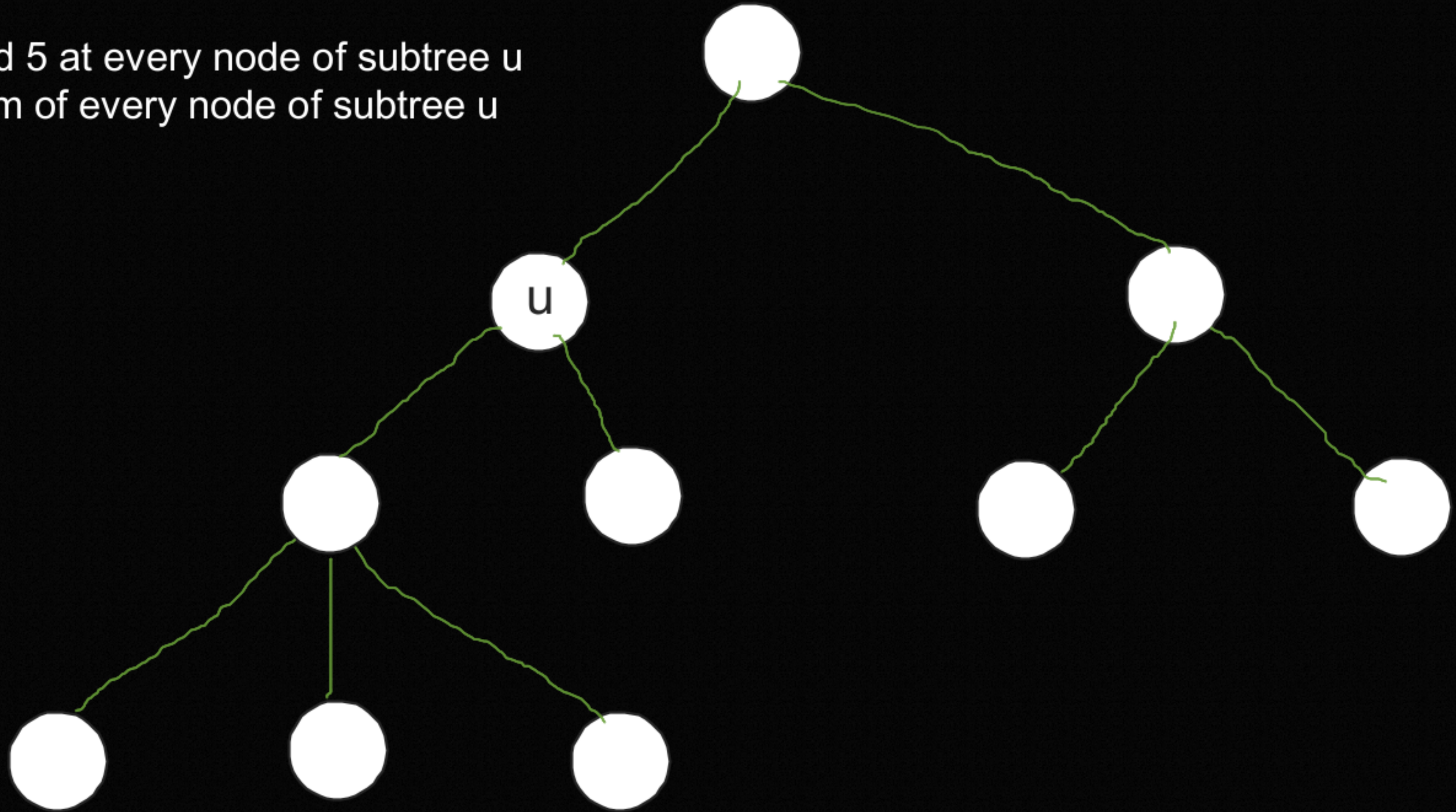


Euler Tour Technique

- => ETT Converts a Tree into an array .
- => We can apply range query techniques on that array
- => Also called Tree Flattening

add 5 at every node of subtree u
sum of every node of subtree u

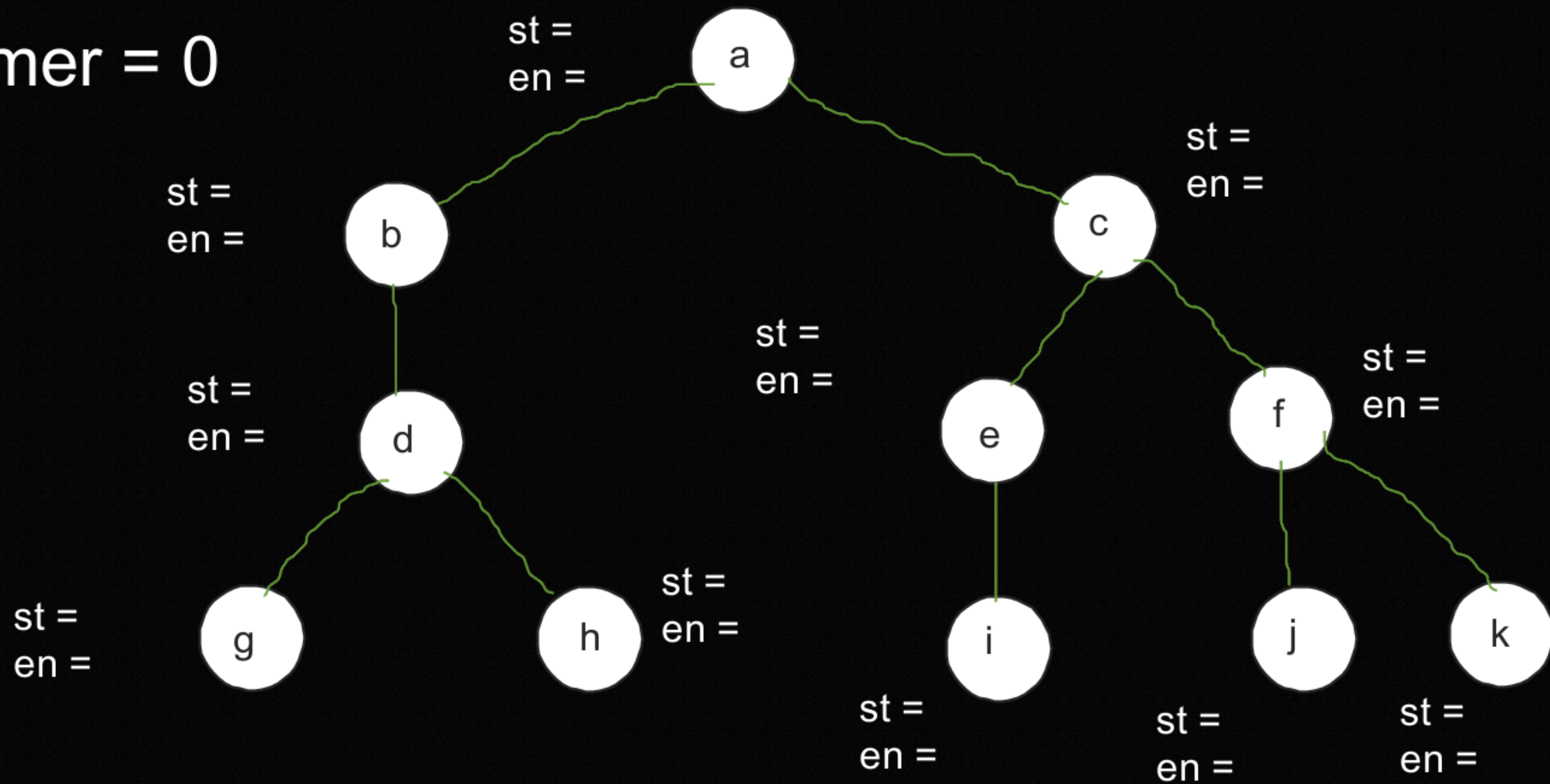



```
int timer=0;
void dfs(int u,int par)
{
    start[u]=++timer;

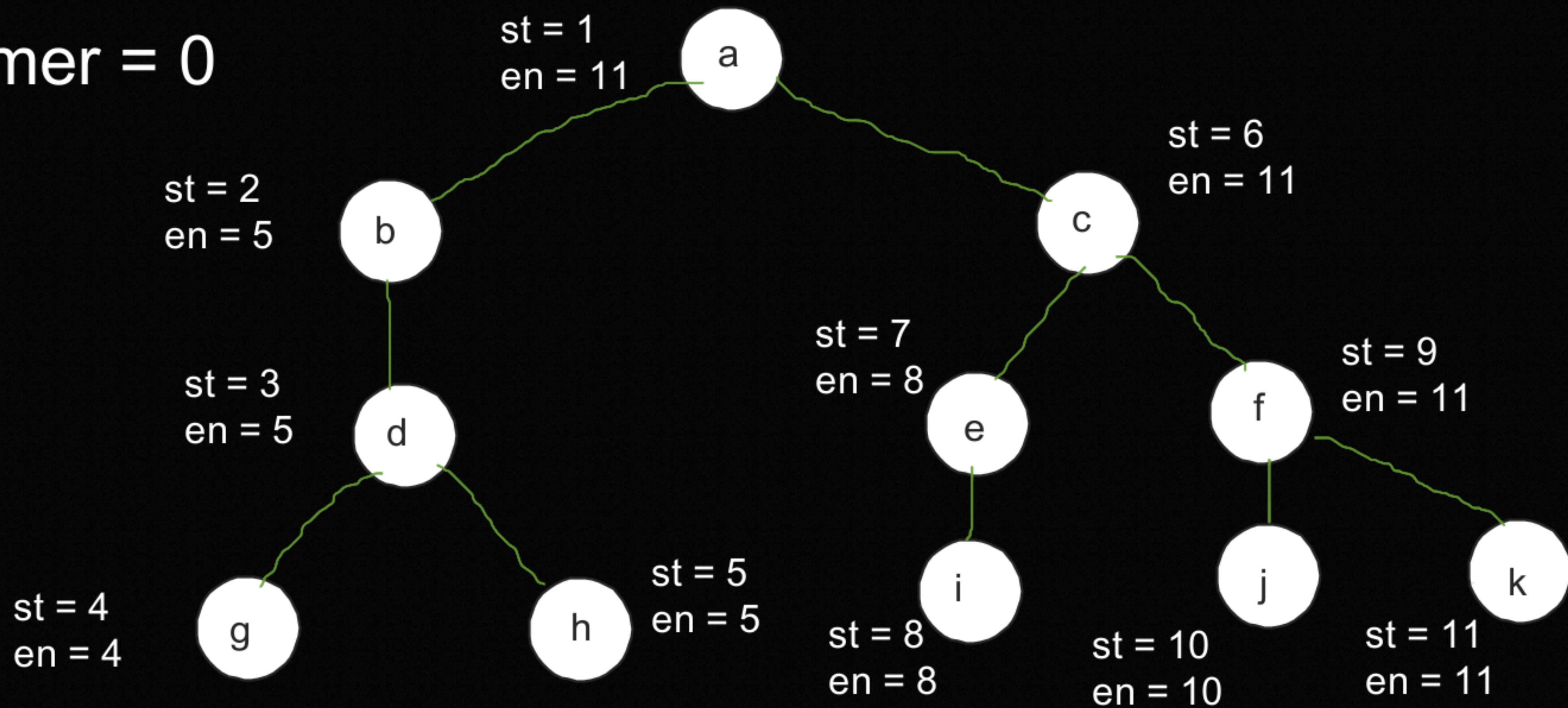
    for(auto v:adj[u])
    {
        if(v==par)continue;
        dfs(v,u);
    }

    end[u]=timer;
}
```


Timer = 0



Timer = 0



Start	1	2	3	4	5	6	7	8	9	10	11
Nodes	a	b	d	g	h	c	e	i	f	j	k
End	11	5	5	4	5	11	8	8	11	10	11