can be colored
in 2 colors

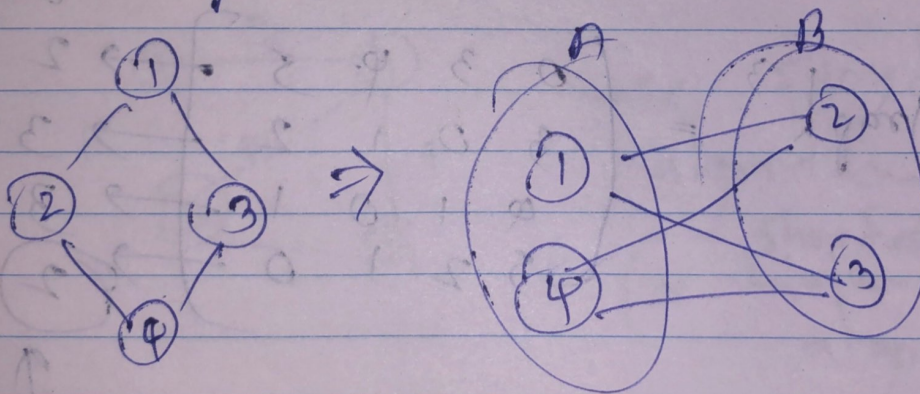O(v+E)

do a color dfs / bfs by assigning relevant