Aleksas Muriskes Question ? Either prove the Collowing is MP Complete on P o Does Co have proper three colouring RGB, if B,5 cssigned to only one vertex Algor Chis n vertices and medges.

Cor each vertices in h, create anew graph G'
which contains \$V.3 - Vo (all vertices minus one)

Run a two-colouring algo on G, if G is
two colourable[PG]V. can be reintroduced into
G' as athird colour, therefore C hisathree
colouring with only v. as a B. I for G' has
a two conjouring, then C conrot have only one
B coloured vertice. The time comlexity is O(V=+E) for 2 colour since our algo uses this also Utines, the time complexity is 6(V.((V-1) +E))=0(V3-2V+V+VE)= 0(V3)=fhere fore ore also is in P