using Back tracking Alger coloring -> Grouph Criven goaphs and some colors are given m=3 which is R. Br. and Blue, so us have to anyon the number of nextex to color rech that no two Bi adjacent vertrey must have same coloss rstart grom vortex one. O No I have restrices 2,2,3,4, and 5 and coloss R, G, R, G, B nso is this the only solution are there are other way possible? means yes we can arrigh 1 vertices to the G and then Red to @ and 3 to G and 5 to Blue. colored Red mean same vertices can be change in different ways means there are more one sol possible. and we want all possible solution as this type of problem can be wohed using back tracking Noter if we have just two coloss is the possible to color that graph NO! No if i give the 4 coloss one more Yellow. Her is this possible the arguer is



