

DAA Assignment

SE20UCSE179

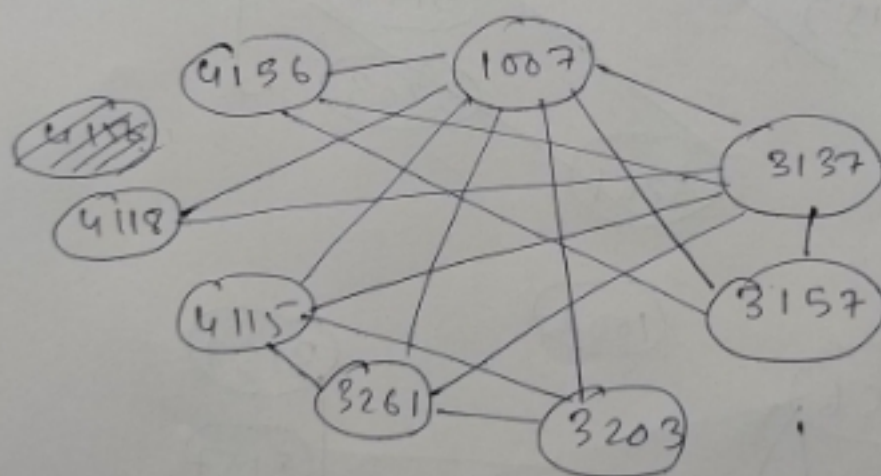
Sarman Saha

Sol

CS courses

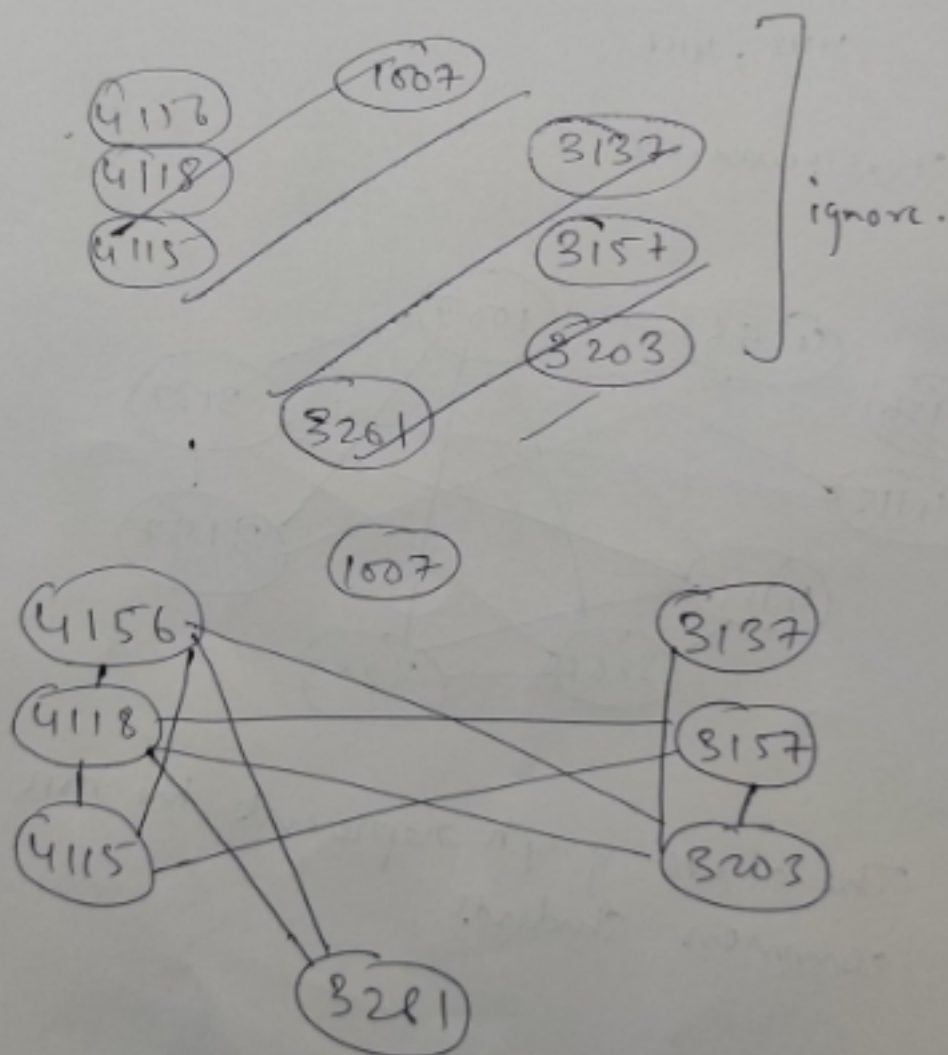
1007, 3137, 3157, 3203, 3261, 4115,
4118, 4156

Total courses = 8.

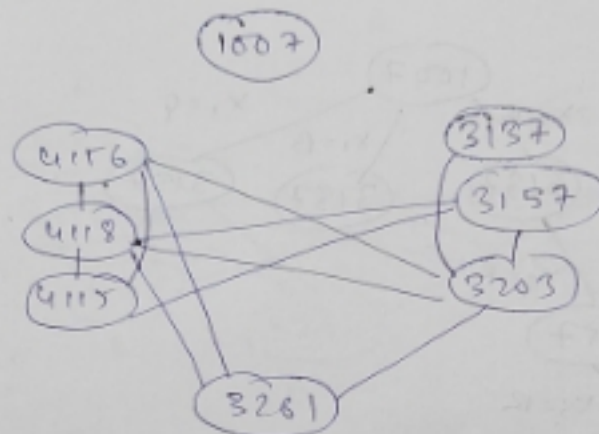


The above graph represents the non common students

Complement the above graph so we get a graph which has an edge between two courses if they have at least 2 student in common.

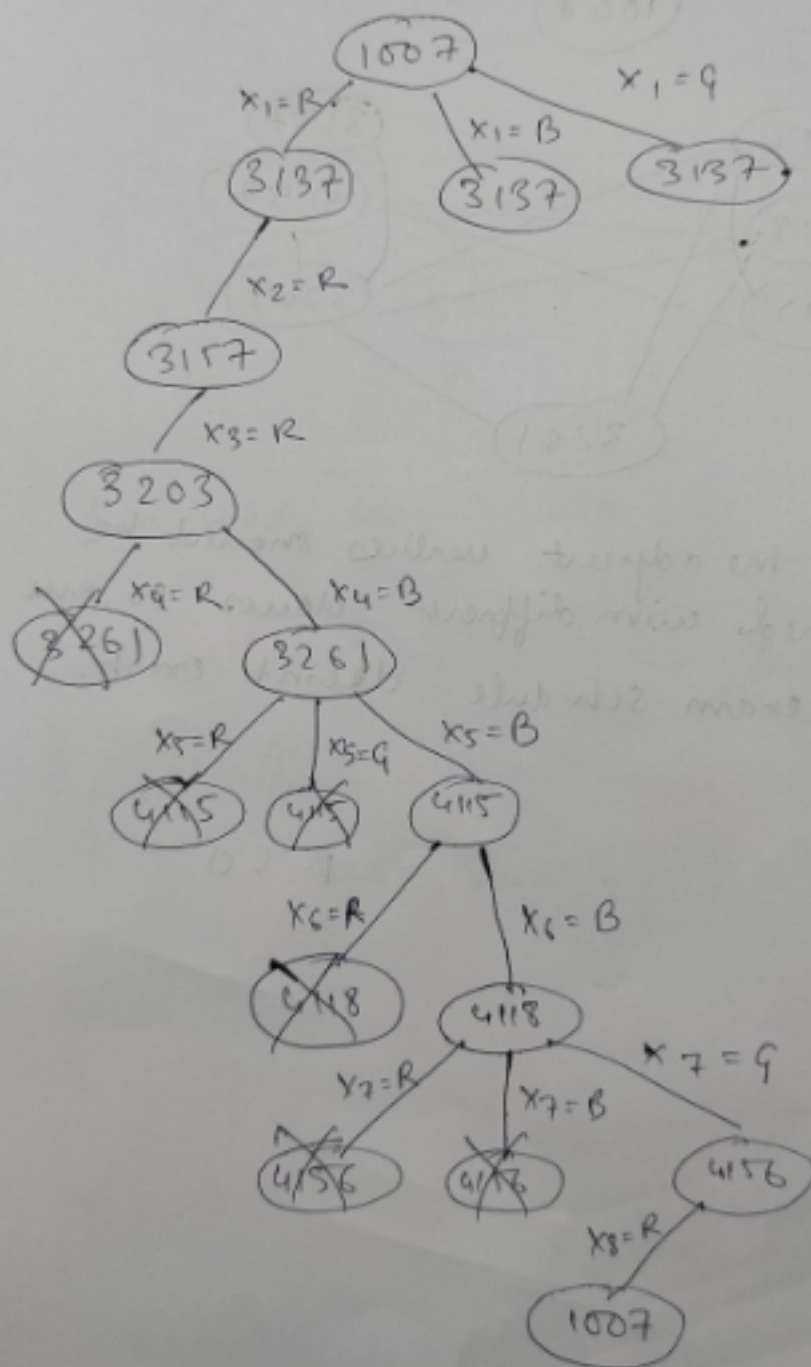


To this graph \textcircled{a} let's find the slots using graph coloring method.

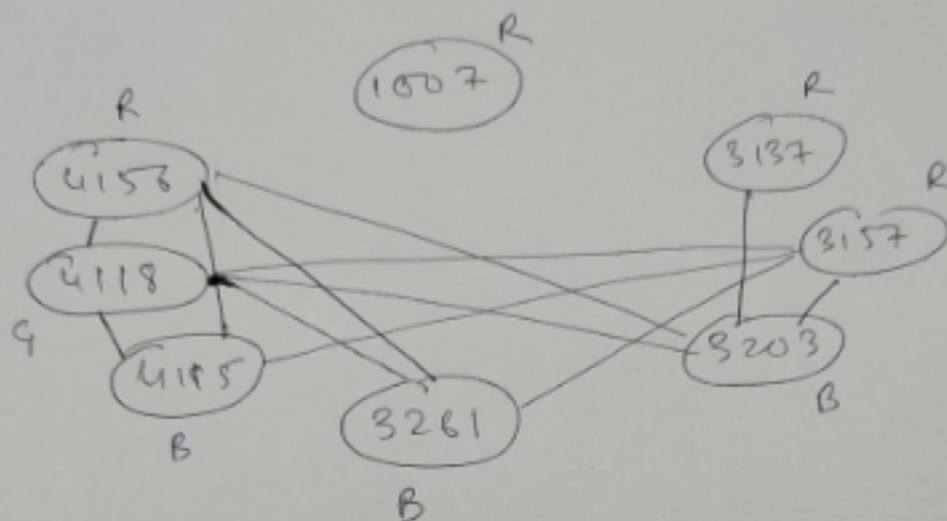


↳ here no adjacent vertices should be coloured with different colours so our final exam schedule doesn't crash.

State Space Search



So our final coloring is



Our final exam schedule is

R 1. 4156, 1007, 3137, 3157

B 2. 4118

G 3. 3203, 3261, 4115