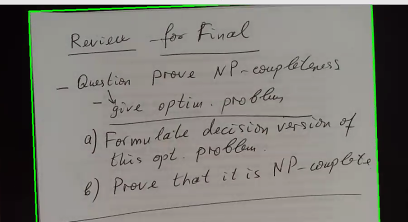
5.06 pm 11/26

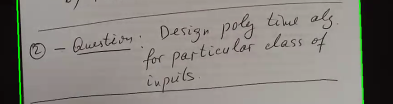
Question: Prove NP-completeness

->give optimization problem

1)Formulate decision version of this optimization problem

2)prove that it is NP-complete

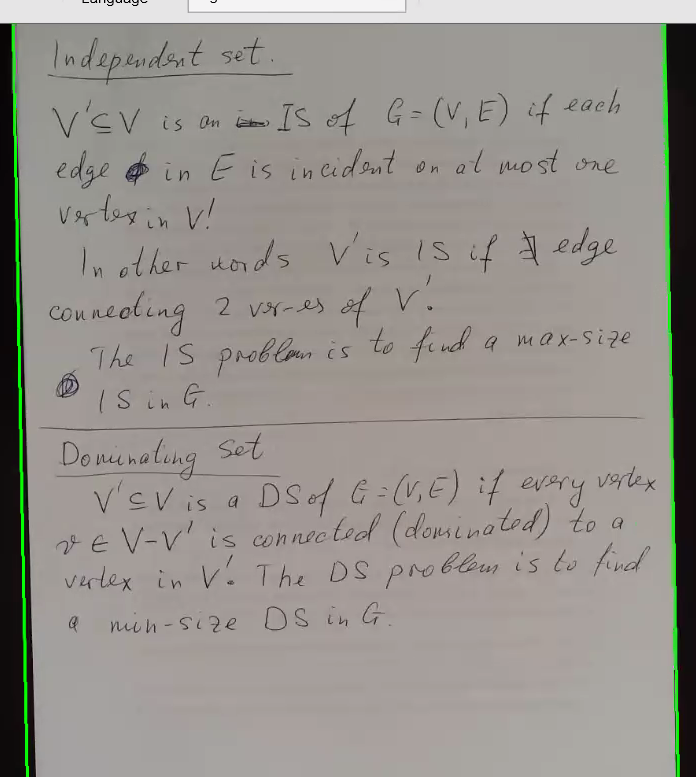


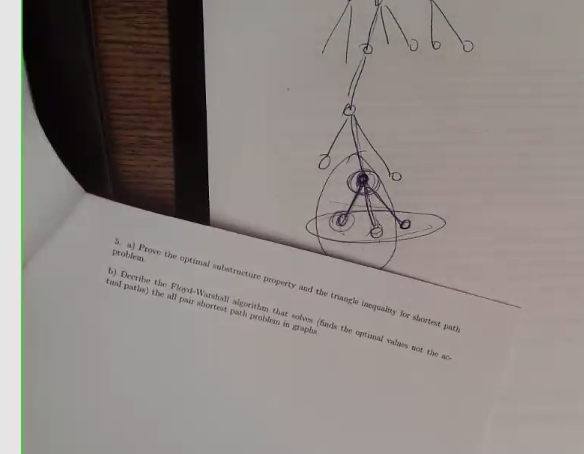


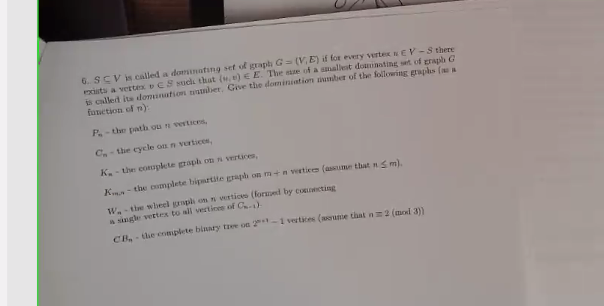
Design polynomial time algorithm for particular class of inputs

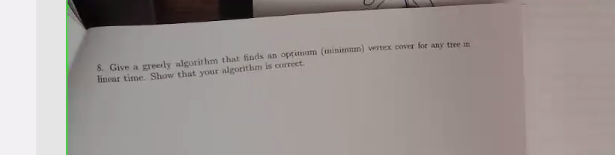
3.

需要多少颜色来画一幅图



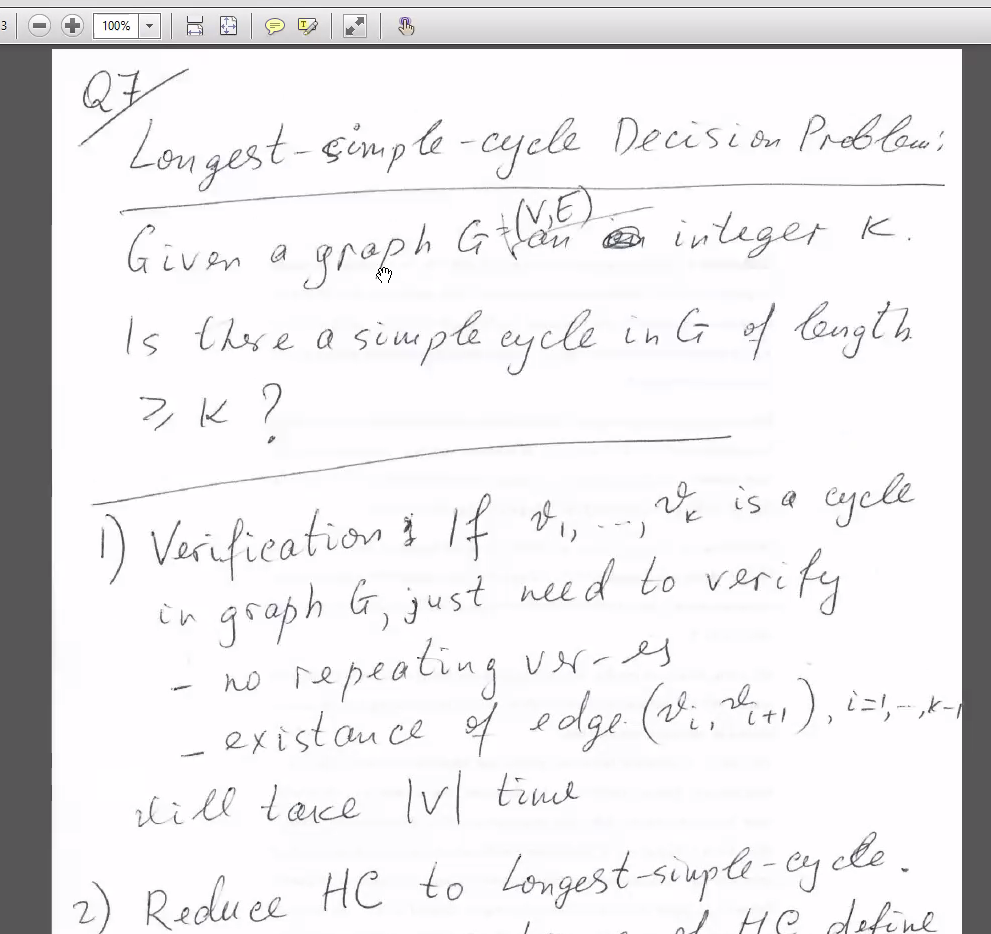


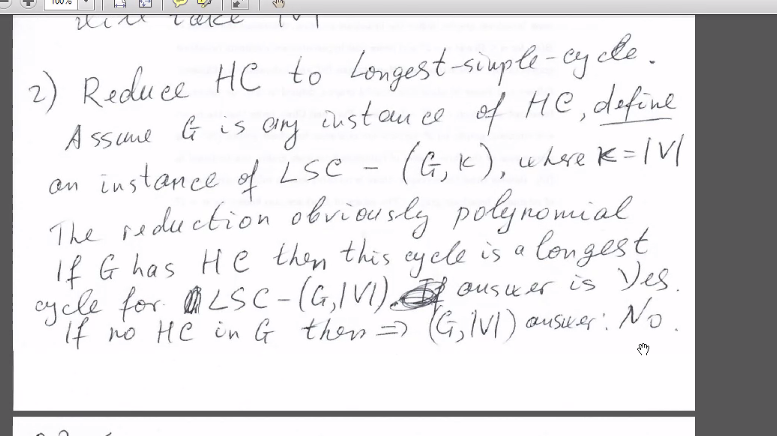


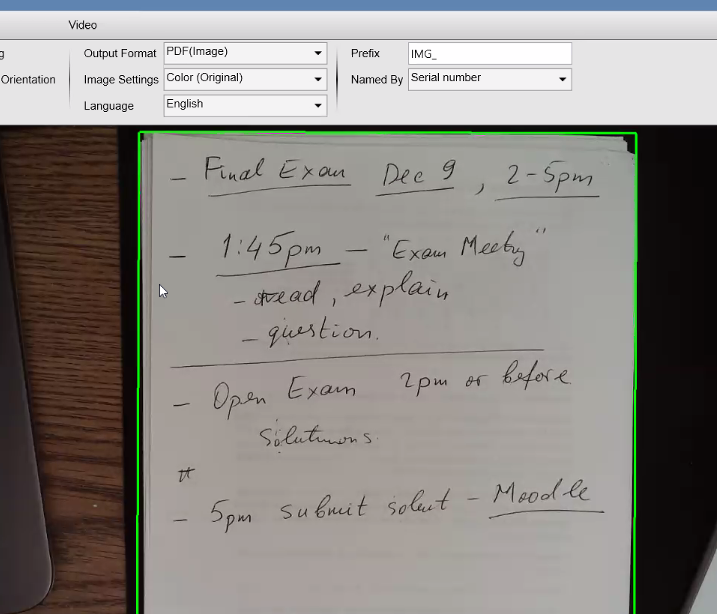


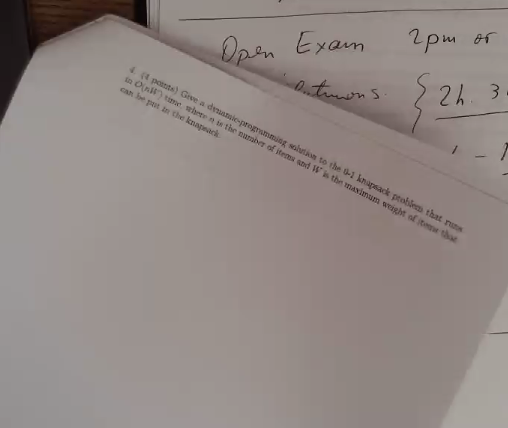
HP is complete

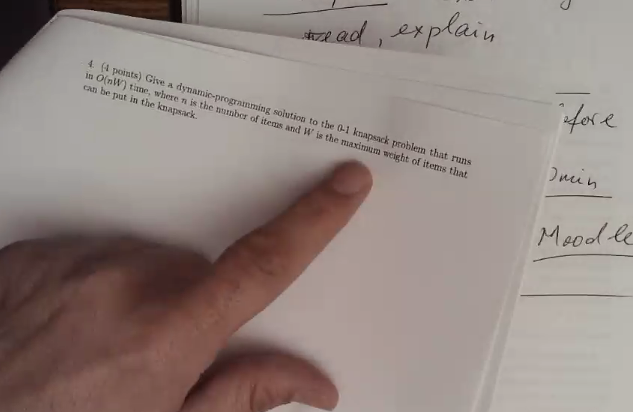
Q7

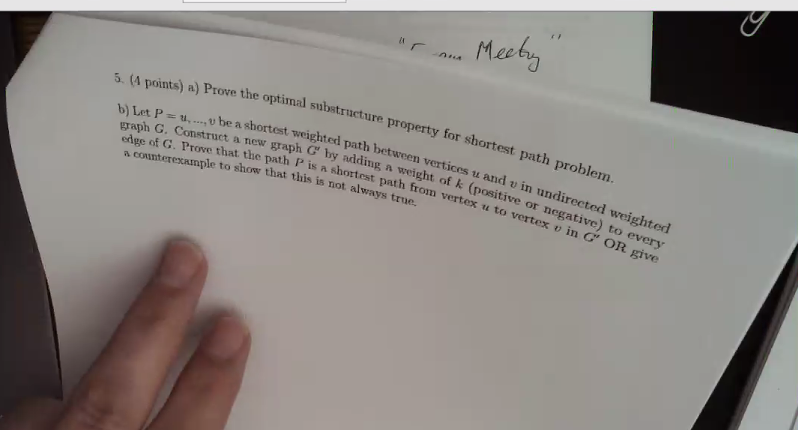




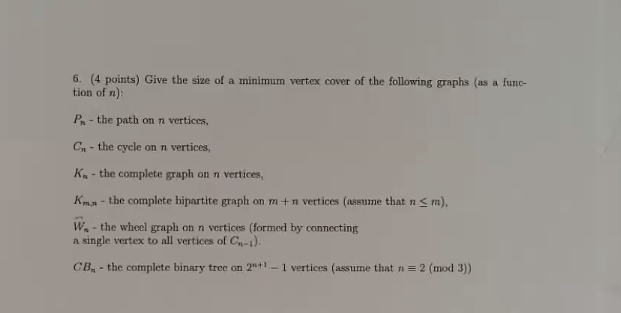


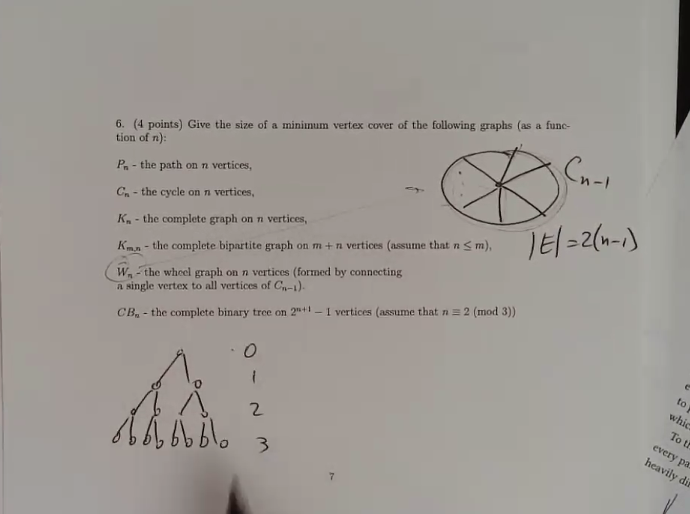


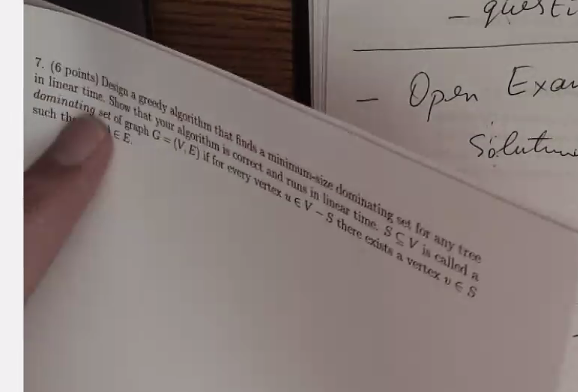




第五个可能会问

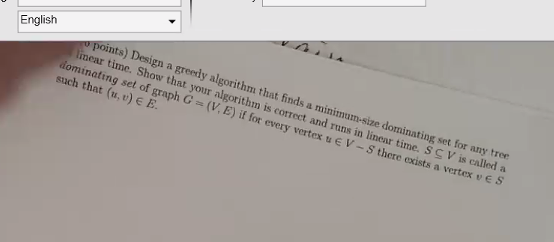




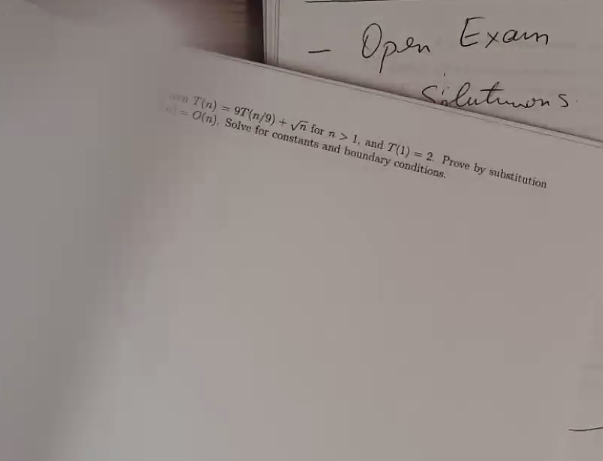


手指遮掉的是(u，v）

这个也重要



这个也重要



大概率没有approxiamation

没linear programming的问题

没有amortized analysis