Algorithms Exam Review

Lecture 1 – 7 both HW

Recursive solution with inductive thinking and show algorithm Design and algorithm Design important

Loop invariance show invariance show understanding of the process

Given goal statement use iterative strategy to go through elements of the solution

Prove algorithms using proper technique and show time complexity both precise and generally show steps

Being able rank order of elements theta, big oh, and so on

How to solve recurrence methods and how to use master method come up with time complexity growth rate

Translate iterative into recursive solution

\*7-8 Problems