Computer Science Notes

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Preface

These are my exam review notes taken throughout the Spring semester. $\,$

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Part I Computer Networks

Part II Advanced Algorithms

Assignment 1

Assignment 2

- 3.1 Are either $\lceil \lg n \rceil!$ or $\lceil \lg \lg n \rceil!$ polynomially bounded?
- 3.2 Use induction to prove $F_i = \frac{\phi^i \hat{\phi}^i}{\sqrt{5}}$; where $F_i = F_{i-2} + F_{i-1}$, and ϕ is the golden ratio $\frac{1+\sqrt{5}}{2}$.

Part III Software Engineering

Part IV Operating Systems