

678 Final Exam: Comprehensive

10 T/F

8 连线题

计算题一堆, 概念题 10 分

Midterm Question :

CompareAndSwap

FCFS/STFS/RR

Alloc resource

Final :

Virtual memory : page size, virtual/physical address size ; how many pages; virtual address -> physical address!

Page replacement (LRU/FCFS/Optimal) Second chance algorithm

Name resolution

Buffer overflow → how to attack (shell code) and how to defend

VMM para vs full about OS and high performance

5 bonus extra credit about NAND, DAM, HDD memory access lateness

2GHz CPU, the time of a single cycle

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Minimized maximum schedule lateness + prove

Bipartite

Weight interval schedule + prove

Knackpack problem in dynamic programming

Prove master theorem

Median finding (algorithm)

Sequence = draw a diagram

Stable match + prove

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180 scores total

Three parts:

Subtyping 60

State + Effect 60

Parametric polymorphism 60

EECS565: comprehensive

True/false

Short answer: network

Security analysis: IDS!

Not including clouding security