

Proportional-Share (Ch 9.) Discussion Questions

- What is the overriding goal of PS schedulers?
- Generalized Processor Sharing
- What is the basic idea behind lottery scheduling?
- What purpose does ticket currency serve?
- What about ticket transfer?
- What if a process misses a bunch of drawings because it was doing I/O?
 - should it get some compensation?
- What is stride scheduling?
- How does stride scheduling implement PS?
 - stride = cost to run
 - pass = accumulated cost
 - run smallest pass next
- What should the pass be set for a new process?
 - 0?
 - smallest pass? (what if its unimportant?)
 - largest pass? (what if its really important?)
 - others?
- What should the pass be for a process that returns from I/O?
 - pass from before? (what if it was gone for a long time?)
 - 0?
 - smallest?
 - largest?
- What is the complexity of selecting the next process in lottery?
 - stride?
- Does this help solve the process limit problem?

- X & Y share a machine. X has 100 web browsers open