

Round Robin w/ Long Time Slices

- I/O Job does 1 ms of computation then 10 ms of I/O.
- Compute Job is pure computation.
- **100 ms timeslice**

Time	I/O Job	Compute Job
0	Running	Ready

RR w/ Short Time Slices

- I/O Job does 1 ms of computation then 10 ms of I/O.
- Compute Job is pure computation.
- **1 ms timeslice**

Time	I/O Job	Compute Job
0	Running	Ready

STCF: Shortest Time to *Completion* First

- I/O Job does 1 ms of computation then 10 ms of I/O.
- Compute Job is pure computation.

Time	I/O Job	Compute Job
0	Running	Ready

Problems to discuss and solve

1. Prove that STCF will produce the minimum average response time.
2. Relative to RR and FCFS, how will STCF compare on maximum response time?
3. Since STCF cannot be implemented, derive a scheduler that attempts to approximate it.