

Estimating Task Lengths

- HCS/HFS use FIFO
 - May not be optimal (as we know!)
 - Why not use shortest-task-first instead? It's optimal (as we know!)
- Challenge: Hard to know expected running time of task (before it's completed)
- Solution: Estimate length of task
- Some approaches
 - Within a job: Calculate running time of task as proportional to size of its input
 - Across tasks: Calculate running time of task in a given job as average of other tasks in that given job (weighted by input size)
- Lots of recent research results in this area!