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Part 1 Report

Java was used for this part since it has a lot of support for high-level functionality and data structures, in this case ArrayLists. The code was split into two classes mostly for clarity of implementations, although there is a lot of shared code between the two. The algorithm between the two follow the same general pattern:

1. import and load the trace from disk
2. scan the trace for any "arriving" jobs
3. if needed set up the job
4. decrement the job
5. if round robin send the job to the back of the queue
6. increment time
7. then repeat 2-6 until the waiting list is empty

This implementation make is easy to apply both FCFS and RR with little effort interchanging the two and keeps the code rather simple.