

Project 3 Proposal

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Project 5. Dining Philosophers Problem

The dining philosopher's problem shows the problems inherent in resource allocation when there are fewer resources than processes that require the resources. In the problem, there is an x number of philosophers and an $x-1$ number of chopsticks. Each philosopher needs two chopsticks to eat from the bowl of rice in the middle of the table. The situation requires deft handling to avoid starvation. We will explore using an arbitration solution to the problem in C, but may have to change the solution based on success in implementing the program.