





Dining Philosophers Problem Scenario (originally proposed by Dijkstra, 1972): Five philosophers sitting around a table, each alternating between thinking and eating. Between every pair of philosophers, a fork; philosopher must have two forks to eat. So, neighbors can't eat at the same time, but non-neighbors can. Why is this interesting or important? It's a simple example of something more complex than mutual exclusion — multiple shared resources (forks), processes (philosophers) must obtain two resources together. (Why five? smallest number that's "interesting".)

























