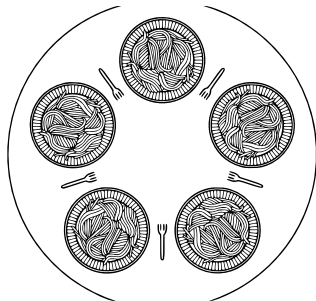# The Dining Philosophers Problem

```
1  while True:
2      think()
3      get_forks()
4      eat()
5      put_forks()
```


How to implement `get_forks()` and `put_forks()` to ensure

1. No deadlock
2. No starvation
3. Allow more than one philosopher to eat at the same time