### What are the necessary conditions for deadlocks (discussed in the lecture) [0.5 points]?

Testantwort

### Why does the initial solution lead to a deadlock (by looking at the deadlock conditions) [0.5 points]?

Testantwort

### Does this strategy resolve the deadlock and why [1 point]?

Testantwort

### Measure the time spent in waiting for fork and compare it to the total runtime [3 points].

Testantwort

### Can you think of other techniques for deadlock prevention?

Testantwort

### Make sure to always shutdown the program cooperatively and to always cleanup all allocated

### resources [2 points]

Testantwort