VIENNA UNIVERSITY OF TECHNOLOGY

192.137 HEURISTIC OPTIMIZATION TECHNIQUES

TU WIEN ALGORITHMICS AND COMPLEXITY GROUP

Programming Project 1

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To Do's

- either make framework work or create new framework
- analyze locks in lecture slides and in paper:
- — Test-and-Set Lock
 - Test-and-Test-and-Set Lock
 - Ticket Lock
 - Array Lock
 - CLH Lock
 - MCS Lock
 - Hemlock (from paper..)
- in the lectures lides from the project it says:
- — Benchmark the following two under various scenarious, meaning low/high contention
 - Benchmark Throughput (probably locks-unlocks performed per time)
 - Benchmark Latency
 - Benchmark for fairness, we have to think of some number to measure fairness, maybe lock-s/unlocks achieved per thread



1 Introduction



2 Generic Chapter Title 2

Here we will see the text from Iris and of the Manul. This should compile on its own now.



3 Generic Chapter Title 3