Assignment 4: Local Search

Brian Jacobel

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1 Introduction

As a point of comparison between my results and others', my testing was done on an Intel Xeon E5620 machine with cores clocked to 2.40GHz. This CPU is somewhere in the neighborhood of 60% as fast as the i7-2600 cores in Searles 224's iMacs, according to benchmarks I found online.

2 Algorithm Variants

- 2.1 Basic implementation
- 2.2 Greedy implementation
- 2.3 Random implementation
- 2.4 Smarter initial placement
- 2.5 With restarts
- 2.6 Random movements

3 Large values

My implementation of the MIN-CONFLICTS algorithm