CS Honors Project
Checkpoint Report
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Summary

- Continued development of representation scheme and encoding/decoding algorithm.
- Developed tests for benchmarking.
- Read more on artificial intelligence programming in LISP, and connectionism.
Algorithm

• Continued development of the representation scheme

• So far, unable to derive any positive results from the chosen scheme, not sure if I will be able to solve all problems in time.

• Have appointment with adviser in April to review this approach
Tests

- Developed a small series of tests for benchmarking
- First test, the current goal, is for the system to automatically recognize and predict a pronoun.
- Second test is for simple inference
- And so on with variations on the first two
Research

• Further readings on AI from a few difference book and journal resources

• Primarily interested in getting more information on connectionist approaches, which is helping to solidify my approach

• Read sections of AI Programming: Case Studies in Common Lisp
Summary

• Do not feel entirely comfortable with progress at this point, the problem seems to be too big to tackle completely

• Will be happy with being able to pass the tests as opposed to entire QA system

• Reducing working hours next quarter to make a final surge at catching up and producing a positive result
Goals for April

- Meet & discuss with Professor Dyer
- Create a few simpler tests (easier to pass)
- Pass something!
- Start organizing/writing for thesis