



Artificial Intelligence 1 (3BA2)
Practical 2, Michaelmas Term Lecture Week 3
October 28, 2004

Data Structures in Prolog

Write and test a Prolog program to read and count the frequency of occurrence of every character in a text file. Test it out.

Use trees.¹ Make an estimate of its algorithmic complexity, e.g. is it order $n \log n$ or n^2 or whatever.

¹I have completely misused the term *trie*. See <http://www.nist.gov/dads/HTML/trie.html> for a definition.