

Name: _____

Quiz 5

Foundations of Computer Science
Fall 2007

This quiz is open book, open notes, open laptop.

1. Some cultures (and anthropologists) distinguish between two kinds of first cousins: the children of same-sex siblings are “parallel cousins” and the children of different-sex siblings are “cross cousins.”

Write a set of Prolog rules that define predicates for cross and parallel cousins. You can use any of the predicates we defined in the genealogy exercise.

2. What claim does the Church-Turing Thesis make? What technique is used to prove it? Hint: Wikipedia.

Please write your answer on the other side of the paper.