

CSE 473: Introduction to Artificial Intelligence
HW 7: Exercise 20 pts

1. You are given the following facts:

JJ is pink.
JJ is a plebian.
Plebians are people.
All pink people eat Cheerios.

You want to prove the conjecture: JJ eats Cheerios.

- (a) Convert the facts and the negation of the conjecture to first-order logic formulas and express them in CNF.

- (b) Show a refutation graph for the proof by contradiction that JJ eats Cheerios.

