CS 3600 - Introduction to Intelligent Systems

English sentences	CNF
Joe is a cat.	Cat(Joe)
No cat has a dog friend	~Cat(x) v ~Dog(y) v ~Friend(x,y)
Sam is Joe's friend	Friend (Joe, Sam)

Homework 4 - Sample Solution

Resolution works by adding the negated query to the knowledge base and resolving to false. Since we want to prove $\sim Dog(Sam)$, we add Dog(Sam) to the knowledge base and then:

