Brachman and Levesque, Chapter 4 exercise 1. Determine whether the following sentence is valid using resolution:

$$\exists x \forall y \forall z ((P(y) \supset Q(z)) \supset (P(x) \supset Q(x)))$$

Brachman and Levesque, Chapter 4 exercise 2. This is a follow-up to Exercise 1 of Chapter 3, which is on

`http://www.cs.nott.ac.uk/~nza/G53KRR07/ch3.pdf`

Use resolution to prove that there exists a member of the Alpine club who is a climber but not a skier.