Exercise: Who Owns the Zebra?

Implement a SETL program that solves the following puzzle.

1. There is a street that has exactly 5 houses on one side. Each of these houses has a different color.
2. Each of these houses is inhabited by a man with a different nationality.
3. These inhabitants each have a different pet, a different kind of drink, and a different brand of cigarettes.
4. None of them has more than one drink, more than one pet, or more than one brand of cigarettes.

Furthermore, the following is known:

1. The Briton lives in the red house.
2. The Swede has a dog.
3. The American drinks whiskey.
4. The green house is to the left of the white house.
5. The person living in the green house drinks coffee.
6. The person smoking PallMall has a bird.
7. The man living in the middle house drinks milk.
8. The man living in the yellow house smokes Dunhill.
9. The Norwegian lives in the first house.
10. The Marlboro smoker lives next to someone who has a cat.
11. The person having a pig as pet lives next to the Dunhill smoker.
12. The Winfield smoker likes to drink beer.
13. The Norwegian lives next to the blue house.
14. The German smokes Rothmanns.
15. The Marlboro smoker lives next to someone who drinks water.

The question is: Who owns the Zebra?

A framework for this puzzle is provided at

`http://www.dhbw-stuttgart.de/stroetmann/SETL2/zebra-frame.stl`

This framework already contains the declarations of some procedures that might be useful.