Homework assignment

CMSC 15300

Due: April 21, 2004

- 1. Problem 21 from Section 3.2 of Hein.
- 2. Given the following SML definition of binary trees:

define a function depth, with the type tree \rightarrow int, that returns the *depth* of its argument. We define the depth of a Leaf to be 0.

3. Given the following SML datatype definition

```
datatype wff
= T
    | F
    | And of (wff * wff)
    | Or of (wff * wff)
    | Not of wff
```

define a function eval, with the type wff -> bool, that returns the truth valuation of its argument.