SFWR ENG 2F04 Assignment 2: Propositional Syntax & Proof

Due: 0830 Tuesday October 12, 2004

1. Huth+Ryan 2nd edition p. 78-81 Exercises 1.2: 2(c)(i), 3(k), 5(a)(b), 6

   [Note: For those of you with the first edition, this corresponds to:

   Huth+Ryan 1st edition p. 36-39 1(d), show $\neg p, p \vee q \vdash q$, show $\neg(\neg p \vee q) \vdash p$, 3(a)(b), 4]

2. Huth+Ryan 2nd edition Exercises 1.4 p. 82-87 12(a)(c)

   [Note: Huth+Ryan 1st edition p. 61 2(a)(c)]

3. Huth+Ryan 2nd edition Exercises 1.5 p. 87-90 7(b). Also give DNF for ϕ_2.

   [Note: Huth+Ryan 1st edition - Do CNF and DNF for:

p	q	r	ϕ_2
T	T	T	T
T	T	F	F
T	F	T	F
F	T	T	T
T	F	F	F
F	T	T	T
F	T	F	F
F	F	T	T
F	F	F	F

———————The End———————