CSE526: Principles of Programming Languages (Spring 2003)

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hw1 (version 21:00, 30jan2003), due in class on 6 Feb 2003

Each problem is worth 10 points. Please justify your answers.

Problem 1

Exercise 1.5, parts (a)-(c).

Problem 2

Exercise 2.2.

Problem 3

Exercise 2.4. Hint: Let $f_0, f_1, f_2, \ldots$ be a chain in $\Sigma \to \Sigma_\perp$. Show that $\sqcup_i F(f_i) = F(\sqcup_i f_i)$ by starting with $\sqcup_i F(f_i)$ and pushing the $\sqcup_i$ inwards through terms thta do not depend on i.