

MATH 430  
HOMEWORK 3 — DUE FEBRUARY 3, 2016

Enderton: Section 1.2 (p27): Exercises 3,4,5,7.  
Section 1.3 (p33): 2,7.

1. Suppose  $\alpha$  is a wff, and  $\alpha_0$  is a proper initial segment of  $\alpha$ . Show either  $\alpha_0$  is the empty expression, or  $\alpha_0$  has strictly more left parentheses than right parentheses.