

HW 13**Due:** 17 October 2007**Prof. Caldwell****COSC 3015****Exercise 0.1.** Read Chapter 11.**Exercise 0.2.** Recall, the definition of append.

$$\begin{aligned} [] ++ m &= m \\ (h : t) ++ m &= h : (t ++ m) \end{aligned}$$

Use list induction to prove that the empty list is a right identity for append.

$$\forall m : [a]. \quad m ++ [] = m$$