

2) is ordered  $(h_1, p_1, n_2, t)$  is wrong form of writing a list it assumes that  $h_2$  is also a list.

4)  $f_m$  is ordered [7]  $R \approx true$   
is ordered [n]  $R \approx true$   
is ordered  $(h_1 :: (h_2 :: t))$   $R \approx R(h_1, h_2)$   
 $\quad\quad\quad$  and also is ordered  $(h_2 :: t)$

9) 'a list  $\rightarrow$  ('a ~~at~~ 'a  $\rightarrow$  bool)  $\rightarrow$  bool