INF223 Categories for Software Engineering
Spring 2006

— Exercise Set 5 , for group meeting 24.02.2006 —

1. Define the temporal operators **X** (next or tomorrow), **F** (eventually), **G** (always), and **W** (weak until) as abbreviations of temporal propositions according to **Definition 3.5.2**.

2. Show that there is no redundancy in **Example 3.5.6**, i.e., show that the four axioms are independent form each other. This means, that you have to prove for each of the four axioms that it is not a consequence of the three other one.