

Assignment 6

2004/2005

Exercise

- a) Start the Leads-to simulation tool (*leadsto*). Load the file *sugarscape.lt* and inspect the resulting trace carefully. Explain briefly what happens in the trace.
- b) Start the TTL checker (*tllchecker*). Load the file *sugarscape.fm*. This file contains the properties FP1 and FP2 as described in Chapter 7. Use the checker to check whether these properties are true in the trace that you generated in a). Motivate your answers, thus do not give a simple yes or no. This means that if you derive that a property is true/false, you explain why this is so by referring to specific parts of the trace.

Optional Exercise:

- c) Use the TTL checker to formalise another relevant property. Check this property against the trace from a). Again, explain why the property holds/fails.

You can do this assignment in couples.

In case you have any questions about this assignment, please let us know.