ItsAWrap example, special considerations for loops

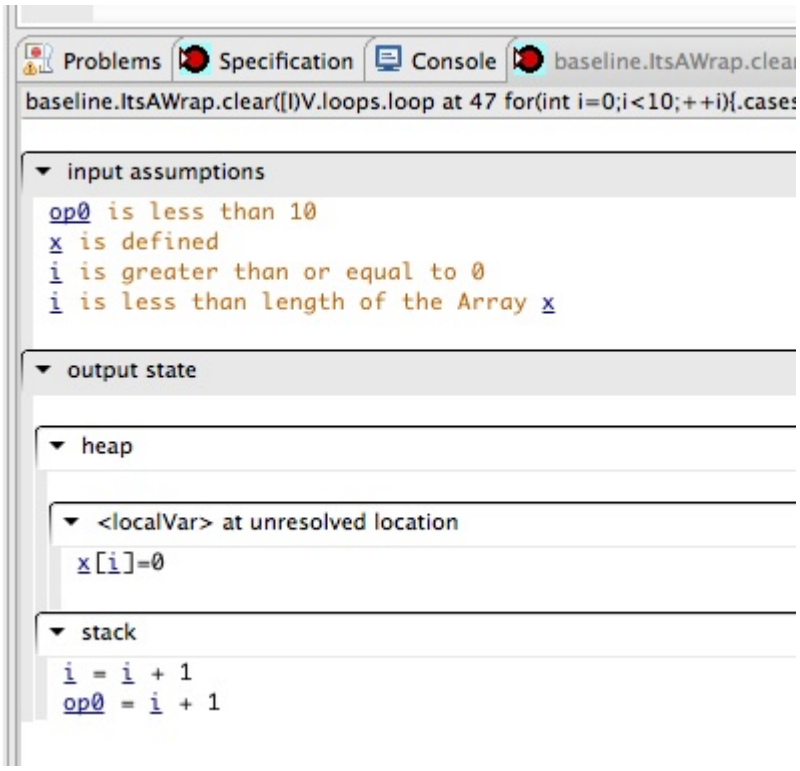
This example focusses on issues that arise in the consideration of loops. In particular, the introduction of "shadow rules" to imply the truth of automatically generated loop-exit conjectures. This example assumes you have already worked through the Hello World and CarRecall examples. If not, you might find the steps a little hard to follow. However, links have been provided to parallel steps in the earlier examples for your convenience.

Start by loading the ItsAWrap project, located inside the "rbi" folder.

Restore the default preferences, then **check** preferences "Suppress advice dialogs" and "Do not pause for case-splits". Now **uncheck** "Suppress structural hypotheses".

Open the ItsAWrap class in an editor window.

Populate and run, using the ItsAWrap class as command target.

Observe that three specifications are generated,for the loop body of the clear method, for the clear method, and for the test method. We shall consider each of these in turn.

Open the loop specification (see figure).