

Feedback

1. **Limited ability to use Spectra with a large amount of variables:**

In addition to the known fact that it is only possible to use a relatively small amount of variables in order to synthesize/use other features (for example, computing a counter strategy). It took us a while to understand that this was the problem, because the Eclipse crashed after a long time (about an hour) of trying to synthesize a controller.

In another try, the synthesizer finished running without throwing any error, but we later discovered that one of the files was corrupted. We first encountered this problem only when we had a functioning GUI that could use the executor, and there was no way to find out about it just from looking at the files/ the output of the synthesizer.

We suggest that before trying to use any feature, Spectra will do some basic check on the size of the problem (for example, check the number of variables). In addition, we suggest notifying users in advance about these restrictions (we found out about this from your mail).

2. **Code Duplication:**

We have encountered several cases where Spectra forced us to duplicate code, for example, an array of counters is not supported (as a result, we had to also duplicate guarantees and assumptions that use these counters).

3. **Not supporting usage of define in regular expressions:** For example:

[atMainStation[2]]){NUM_TIMES}, where NUM_TIMES was predefined in a "define" statement