The following observations have been noted after testing the Consistency Checker with the 1st patch released.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl No | File | Observations | Remarks | Our Views |
| 1 | tst1 | t.ys: syntax error (line 5, column 1) :  ( expected Your assertions are | Test for modulus operation | Yices is unable to recognize % operator. We are not getting any supporting character. |
| 2 | tst2 | t.ys: syntax error (line 3, column 1) :  ( expected Your assertions are | Test for mask operation | Left Shift Operator is not yet included. |
| 3 | tst3 | t.ys: syntax error (line 9, column 1) :  ( expected Your assertions are | Test for logical || , && operations | a && b cannot be performed as they are not boolean variables. If they are changed to bool then Yices can run it. |
| 4 | tst4 | t.ys: syntax error (line 4, column 1) :  ( expected Your assertions are | Test for logical || operation | The latest release can support it. |
| 5 | tst5 | t.ys: syntax error (line 2, column 1) :  ( expected Your assertions are | Test for equality operation | Initialization at the time of declarations is not yet supported |
| 6 | tst6 | t.ys: syntax error (line 6, column 1) :  ( expected Your assertions are | Test for ternary operation |  |
| 7 | tsts7 | t.ys: syntax error (line 1, column 1) :  ( expected Your assertions are | Test for bitwise OR operation | Yices does not support Unsigned int .We are looking into how bit wise opeartion can be performed on yices. |
| 8 | tst8 | t.ys: syntax error (line 1, column 1) :  ( expected Your assertions are | Test for exclusive OR operation | Yices does not support unsigned int and the support for xor is not yet implemented. |
| 9 | tst9 | t.ys: syntax error (line 1, column 1) :  ( expected Your assertions are | Test for bitwise AND , 1’s compliment operation | We are looking into how bit wise opeartion can be performed on yices. |
| 10 | tst10 | t.ys: syntax error (line 1, column 1) :  ( expected Your assertions are | Test for bitwise AND , Shift operation | We are looking into how bit wise opeartion can be performed on yices. |
| 11 | tst11 | t.ys: error in equality, line 4, column 9: incompatible types Your assertions are | Test for assignment and Equality operation | For boolean operators true and false should be assigned instead of 0 and 1. |

If some of the files have been sent earlier please ignore. All the files are present in the folder “sqadexmpls”.