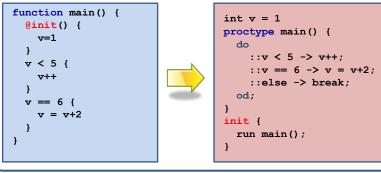


5. Model Checking INI Programs

INI can be converted to Promela for model checking with SPIN. Possible applications are:
 Detecting infinite loops and unreachable code.

- Verifying properties expressed in Linear Temporal Logic formulas.

Example: Detecting unreachable code



Verification result

```
...
unreached in proctype main
UnreachableCode.pml:5, state 4,
   "v = (v+2)"
   (1 of 10 states)
unreached in init
   (0 of 2 states)
...
```

Sponsors:



