**This submission does not support Boolean types yet due to stability concerns.**

**In order to use this compiler just copy the output generated from the compiler as the input for the Alloy analyzer tool.**

Notes about Alloy:

1. Alloy tries to run the integer outputs using integers of size 4-bit by default (i.e numbers from -8 to 7). If the user needs to test for larger sized integers then the ***check*** statement must be modified to “***check assertStatement0 for 5 int***”
2. Alloy tries to generate counter examples and these examples can be seen by clicking the Show button.