For clang 3.4, do the following steps

1. Open a terminal
   1. mkdir tools
   2. cd tools, mkdir clang-3.4
   3. wget http://llvm.org/releases/3.4/llvm-3.4.src.tar.gz
   4. wget http://llvm.org/releases/3.4/clang-3.4.src.tar.gz
2. Extract the 2 tar files.
   1. Label the folder llvm-3.4 as llvm
   2. Label the folder clang-3.4 as clang
   3. Cut and paste the “clang” in llvm/tools/
   4. Go back to tools folder <cd ../..>
3. mkdir build
   1. cd build
   2. cmake -G "Unix Makefiles" ../llvm
   3. make clang
   4. make
   5. sudo make install

The above steps should successfully set up the environment for tool 1.

1. git clone <https://github.com/ankit--agrawal/variable_roles.git>

2. Edit file src/scripts/export\_paths.sh (make sure all paths are correct. Usually, path for

clang CLANG\_HEADERS is not correct so fix it. It should be the following:

~/tools/clang\_3.4/build/lib/clang/3.4/include/ )

3. source src/scripts/export\_paths.sh

4. make

5. check if there were any errors. If not, check if binary file src/translator/translator was created or not

6. Run the tool:

1. source src/scripts/export\_paths.sh

2. tool1.py (this should correctly set up the input and output files and run the tool for all c files from sv-benchmarks)