Compile and run the applications in an IDE environment such as IntelliJ:

Open the whole branch prediction simulator folder as a project in IntelliJ, click “edit configuration” option:

if we want to run the always taken BP simulator, click the corresponding file, input the “always\_taken <absolute path of the trace file>” in the argument line.

if we want to run the 2-bit BP simulator, click the corresponding file, input the “two\_bit <the value of n> <absolute path of the trace file>” in the argument line.

If we want to run the Gshare BP simulator, click the corresponding file, input the “gshare <the value of m> <the value of n> <absolute path of the trace file>” in the argument line.

If we want to run the profiled BP simulator, input the “profiled <the value of n> <absolute path of the trace file>” in the argument line.(Reminding: there is one space between every argument)

Then click the run button