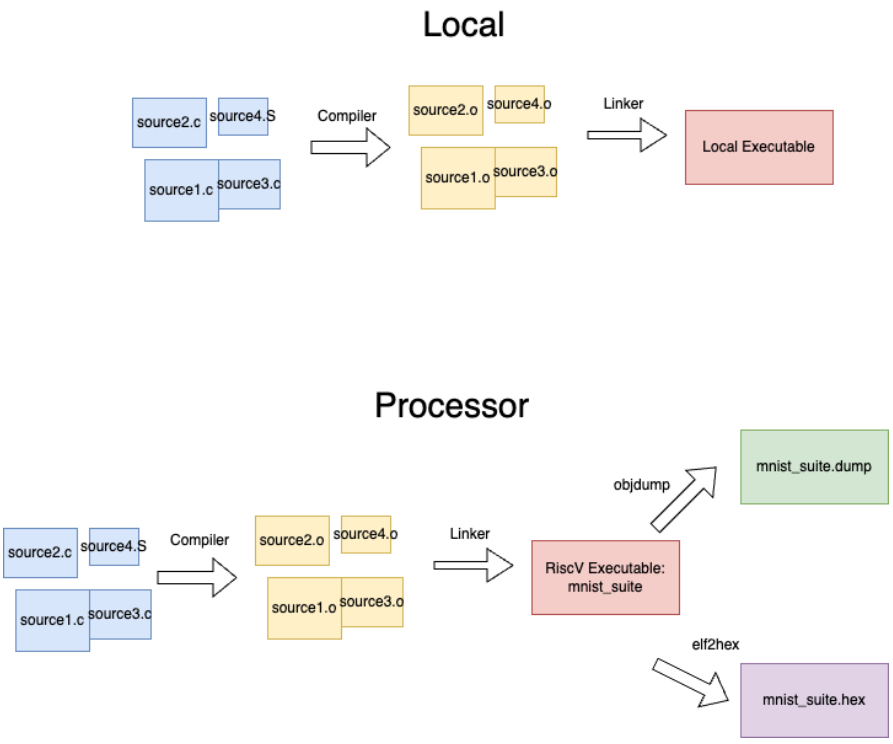
The two main updates we have are with the testing framework and the superscalar progress. As for the testing framework, we imported some of the 6.004 final project functionality to perform 3 fully connected layers of a neural network. We also imported 25 example handwritten images and all the weights. We first set up a makefile to compile all the source code into an executable to be run locally on our laptops. After that, we added more rules to the makefile to compile the mnist codebase into a hex file that can be run on our processor. The code runs quite slow on the processor, leaving lots of room for improvement.



For the superscalar progress we got our super scalar Fetch working so now we can enqueue two commands at once! Also made changes to our caches such as pipelining our caches, and making it such that the Instruction cache can queue two instructions at once. This makes our Konata output a lot cleaner, and stops a lot of the memory based stalls.