Yahia Kilany
900226128

Sunday, Dec 7th
 Today I created the entire `TomasuroSimulator` class, setting up all the major backend
stages,issue, execute, write, and commit, and wiring in the vectors for reservation stations,
memory, instructions, and the ROB. I implemented the `run()` loop to drive the
cycle-by-cycle simulation and then built out the full logic for issue, execute, writeback, and
commit. I added functional execution for all instructions, though CALL, RET, and BEQ
instructions failed at this stage because flushing logic hadn't been implemented yet. I also
wrote `setupOperands()` and `broadcastResult()` to handle operand collection, register
forwarding, and memory/register updates.

Finally several other helper functions to support the main pipeline behavior.

And testcase : test_all_instructions was created

Tuesday, Dec 9th
 Worked with my partner on the project report