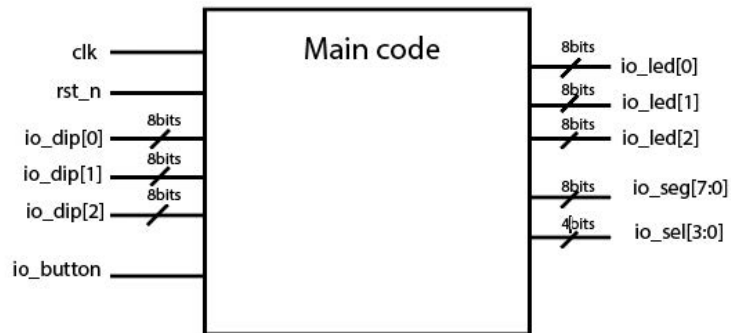
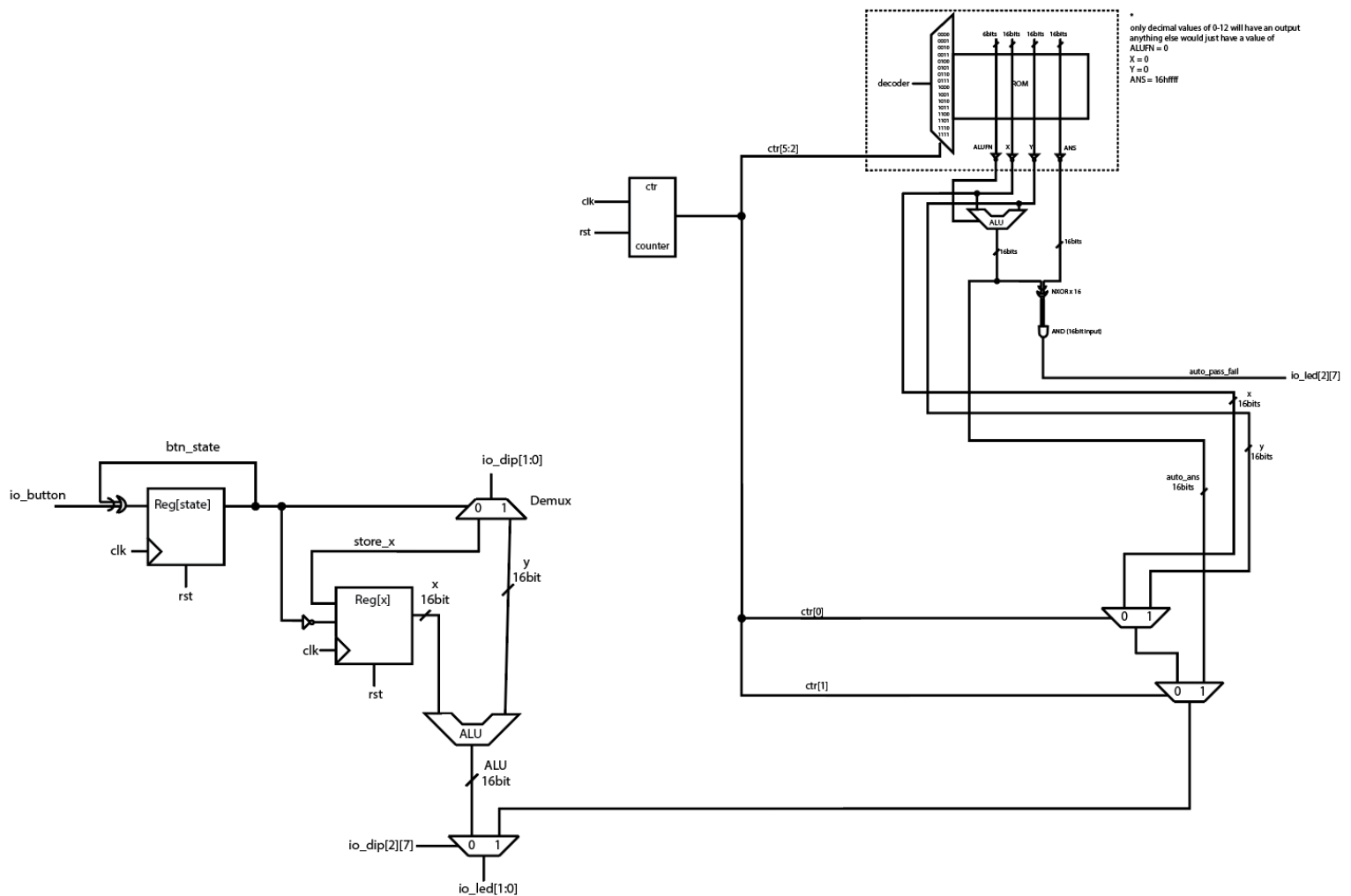


General view with all inputs and outputs:

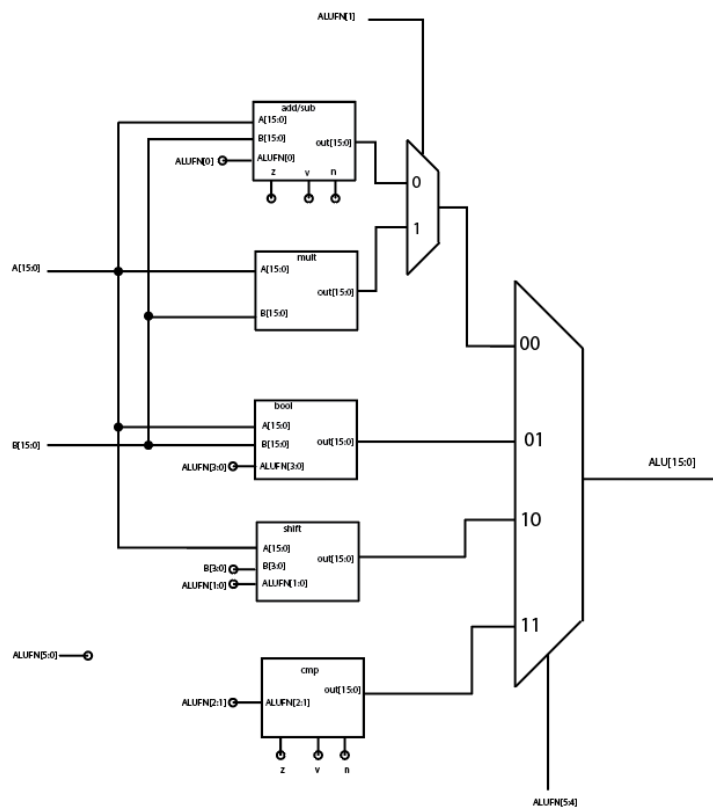


Overall schematics:

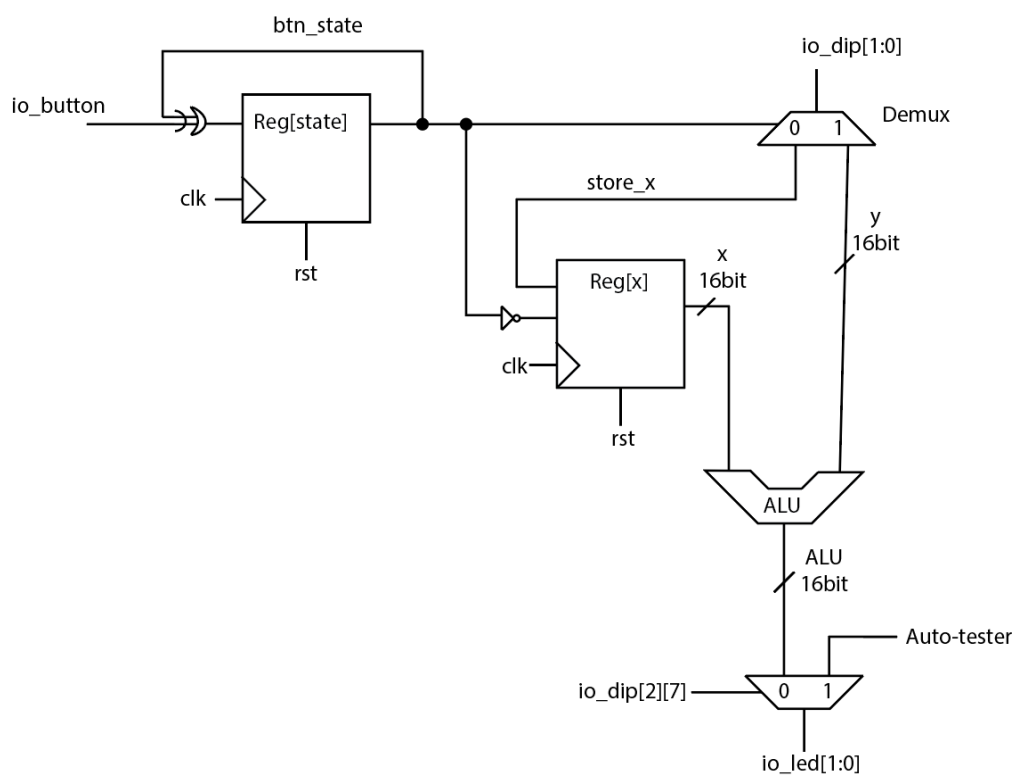


Individual Parts

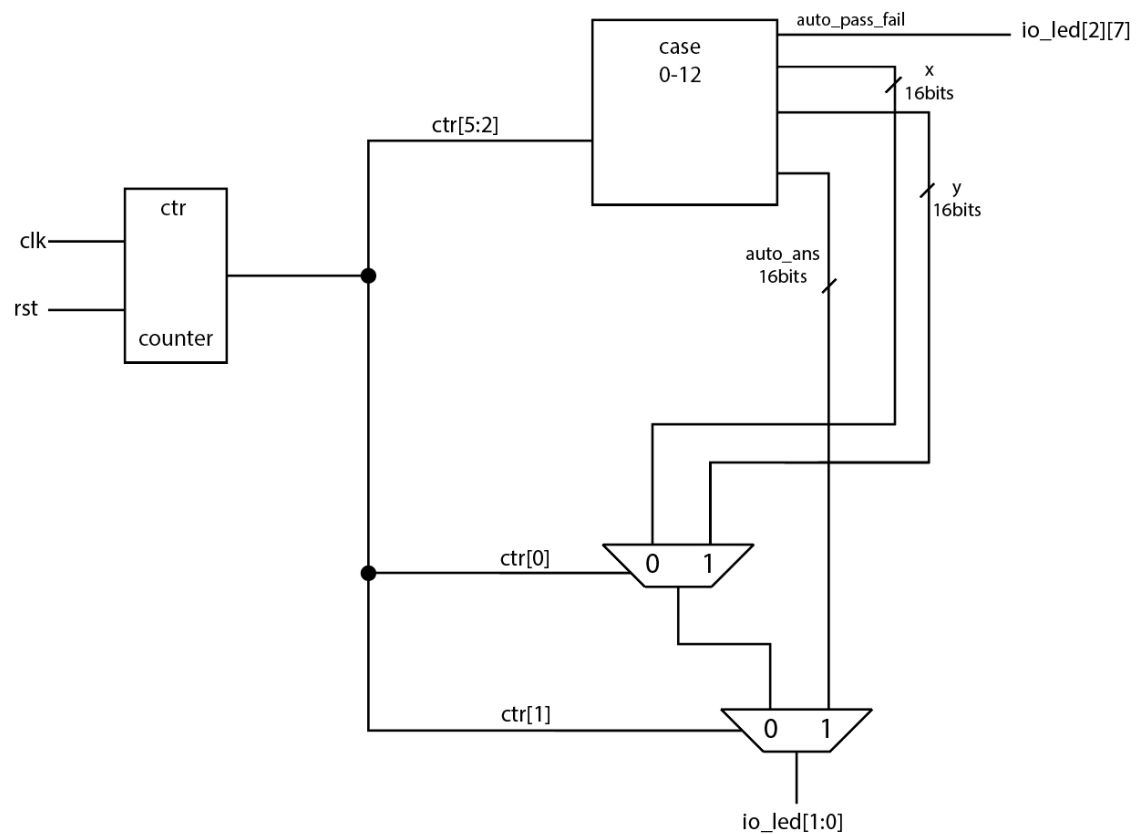
ALU



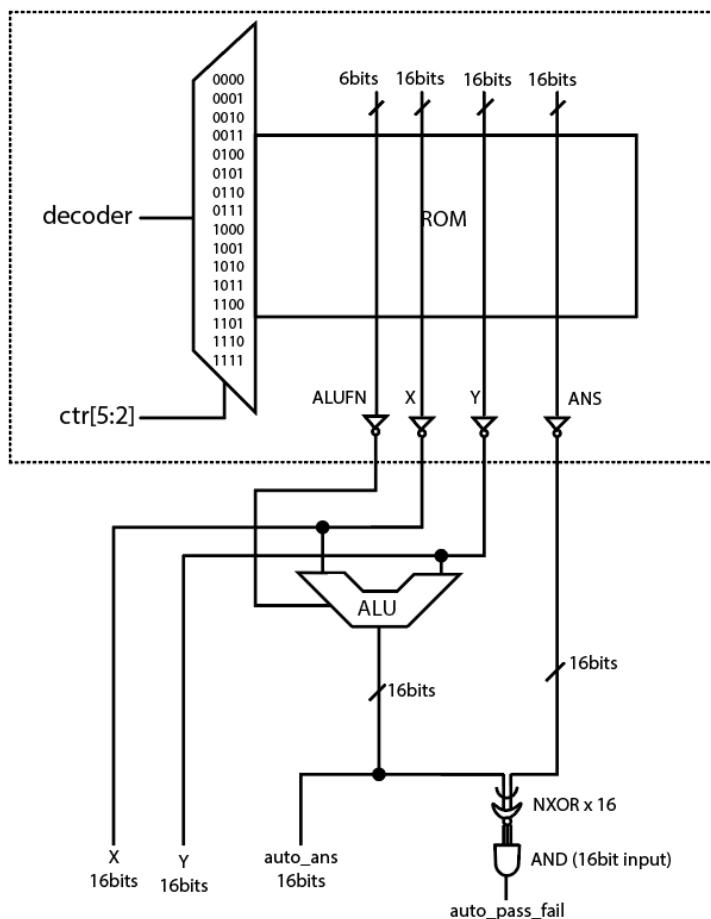
Manual tester



Auto tester



Case box to test test cases in the auto tester:



*
only decimal values of 0-12 will have an output
anything else would just have a value of
`ALUFN = 0`
`X = 0`
`Y = 0`
`ANS = 16hffff`