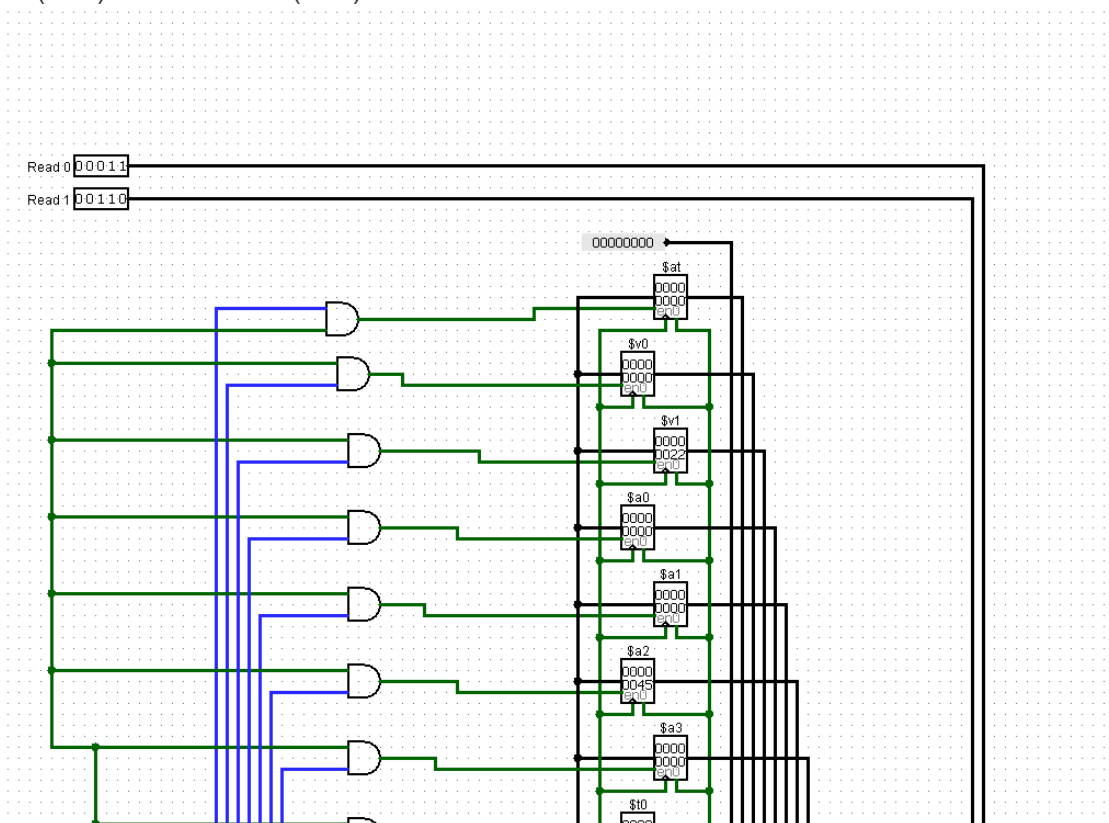


Roll: 1801CS08

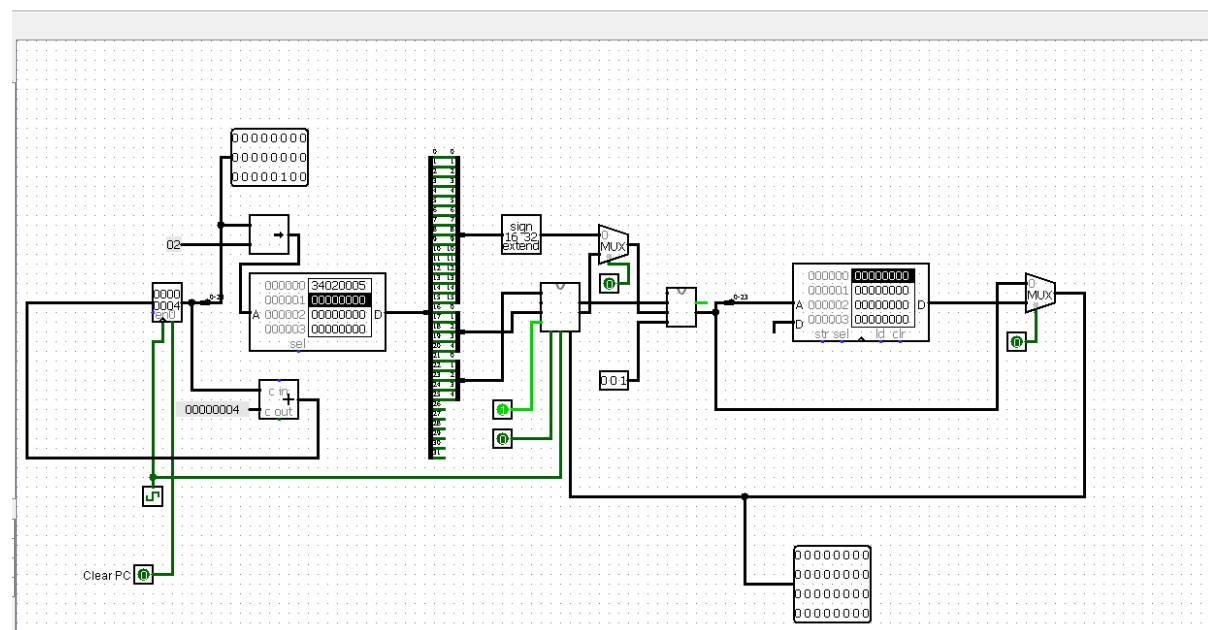
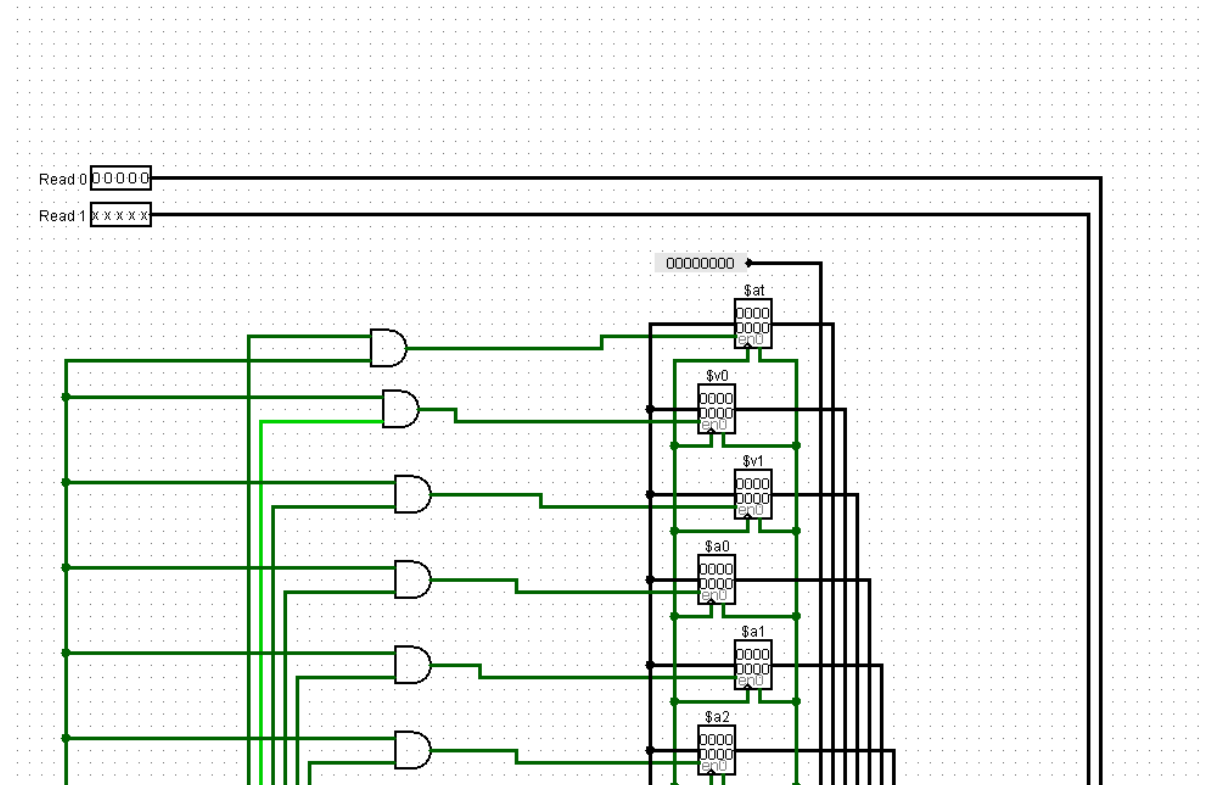
Binary Code: 101011-00011-00110-0000-0000-0010-1100

Machine Code: ac660044(Hex)

Here the value of the \$6 register is stored in $68 + [\text{\$3}]$ address in ram. Let \$6 has value 45(Hex) and \$3 has value 22(Hex) . Then, $68(\text{Dec}) + [\text{\$3}] = 66(\text{Hex})$ So now we have to store 45(Hex) in address 66(Hex) or 102



Before executing instruction



After Executing Instruction

