# Assignment (IF, ID, ALU)
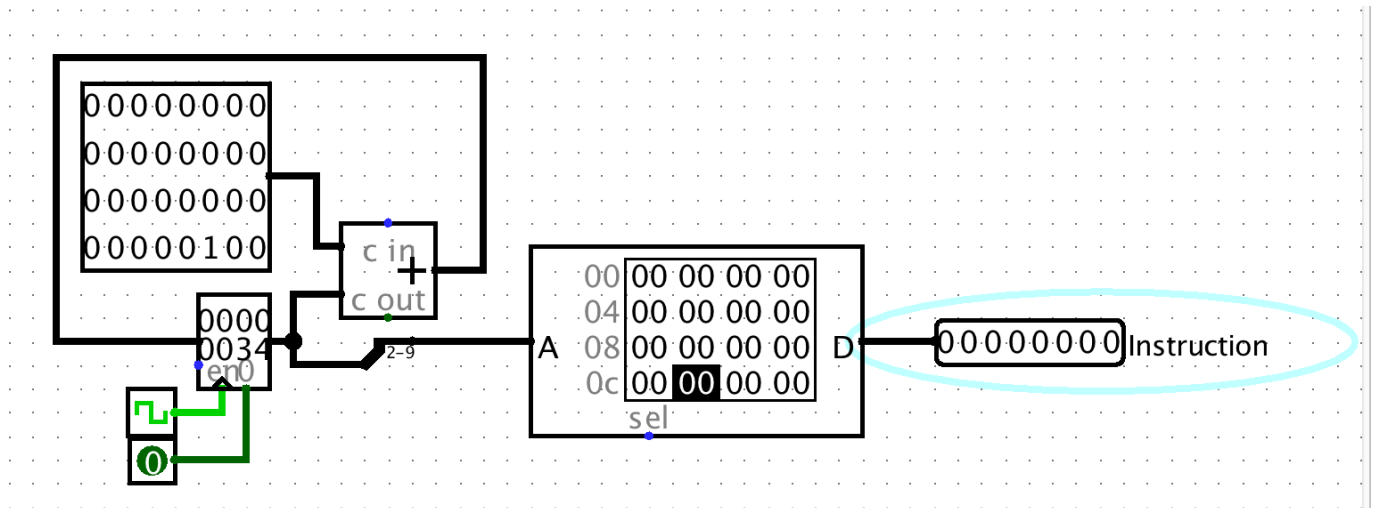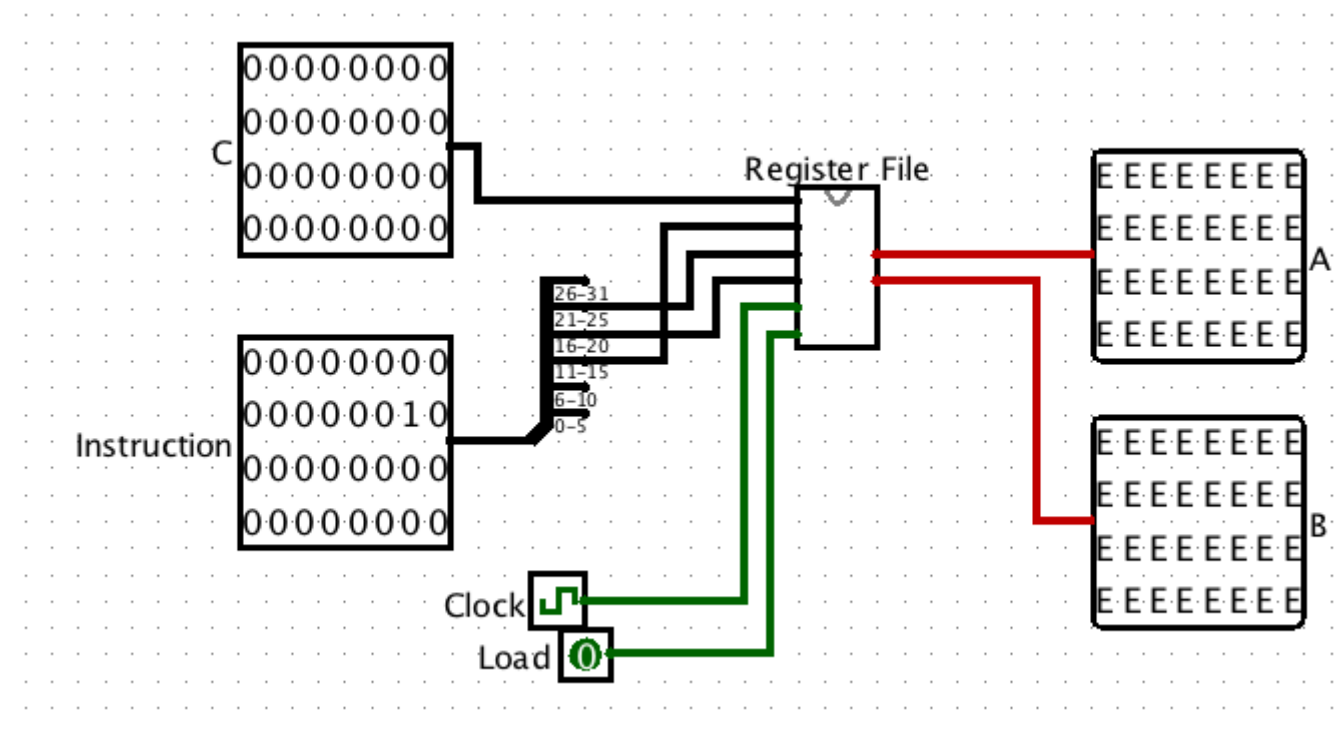
정보시스템학과 2017029134 이하민
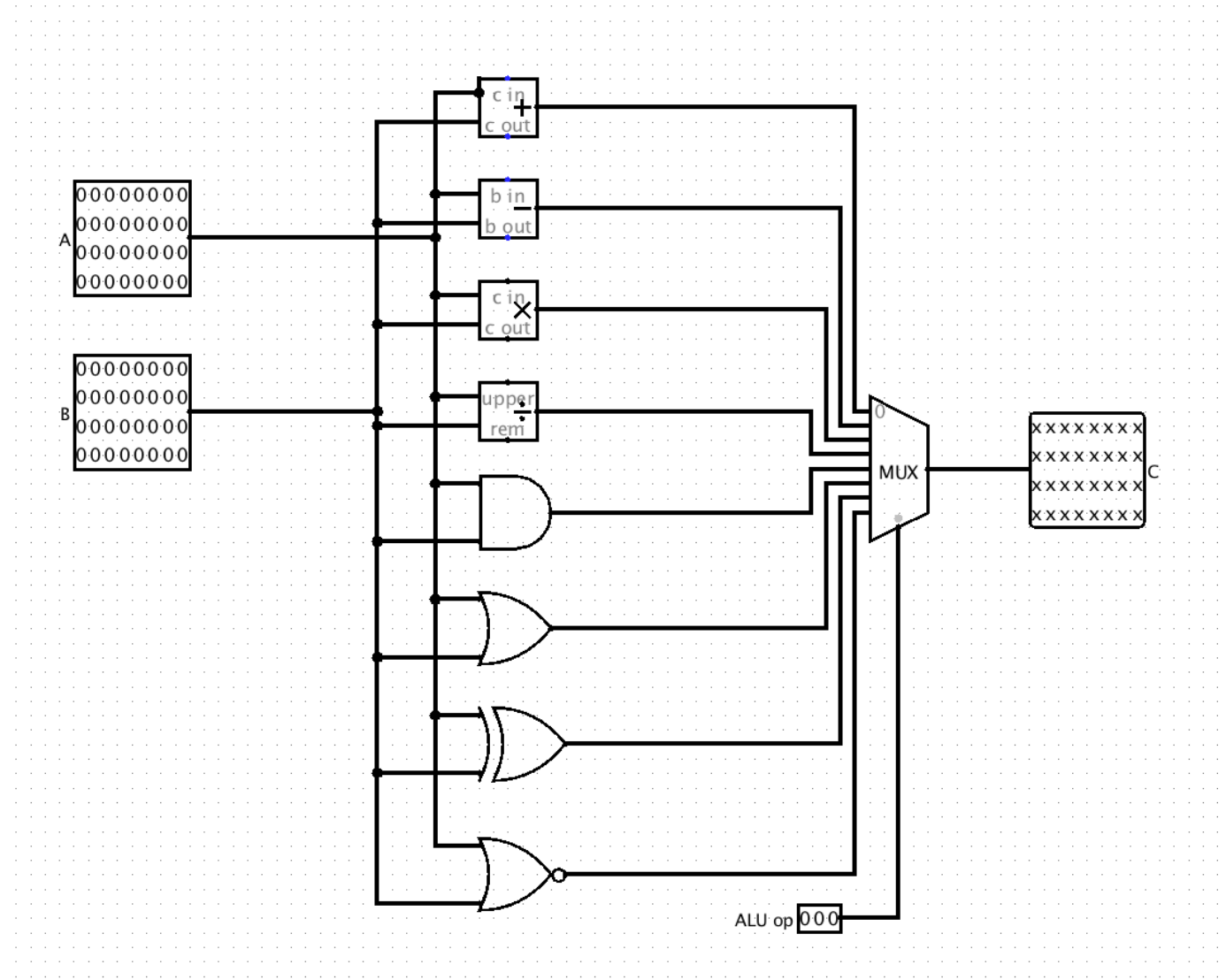
## 1. Instruction Fectch



## 2. Instruction Decode



## 3. ALU

c in
+
c out

b in
b out

c in
×
c out

upper
rem

MUX

0

ALU op 000

A
00000000
00000000
00000000
00000000

B
00000000
00000000
00000000
00000000

C
xxxxxxx
xxxxxxx
xxxxxxx
xxxxxxx

## 4. EX

A
00000000
00000000
00000000
00000000

B
00000000
00000000
00000000
00000000

ALU OP 000

ALU

C
xxxxxxxx
xxxxxxxx
xxxxxxxx
xxxxxxxx