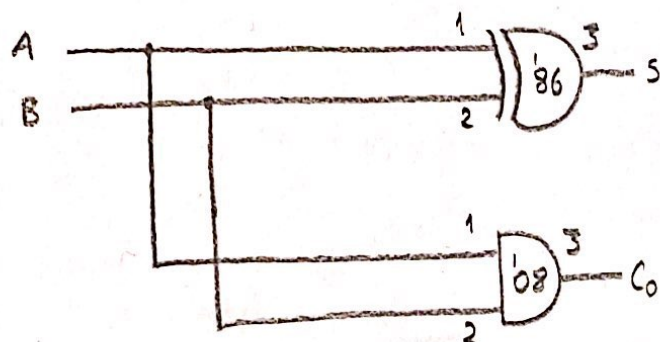


CS223

Lab 1 Preliminary Work

Can Arşar 21902111

Half Adder Circuit Schematic



IC List

- 1 One 74LS86 Quad 2-Input XOR Gate
- 2 One 74LS08 Quad 2-Input AND Gate

74LS86

GND-7

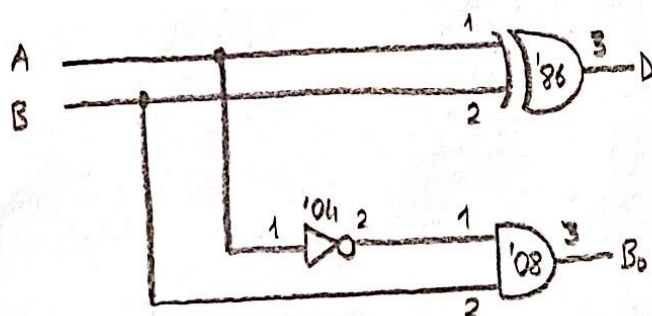
+5V - 14

74LS08

GND-7

+5V - 14

Half Subtractor Circuit Schematic



IC List

- 1 One 74LS86 Quad 2-Input XOR Gate
- 2 One 74LS04 HEX Inverting Gate
- 3 One 74LS08 Quad 2-Input AND Gate

74LS86

GND-7

+5V - 14

74LS04

GND-7

+5V - 14

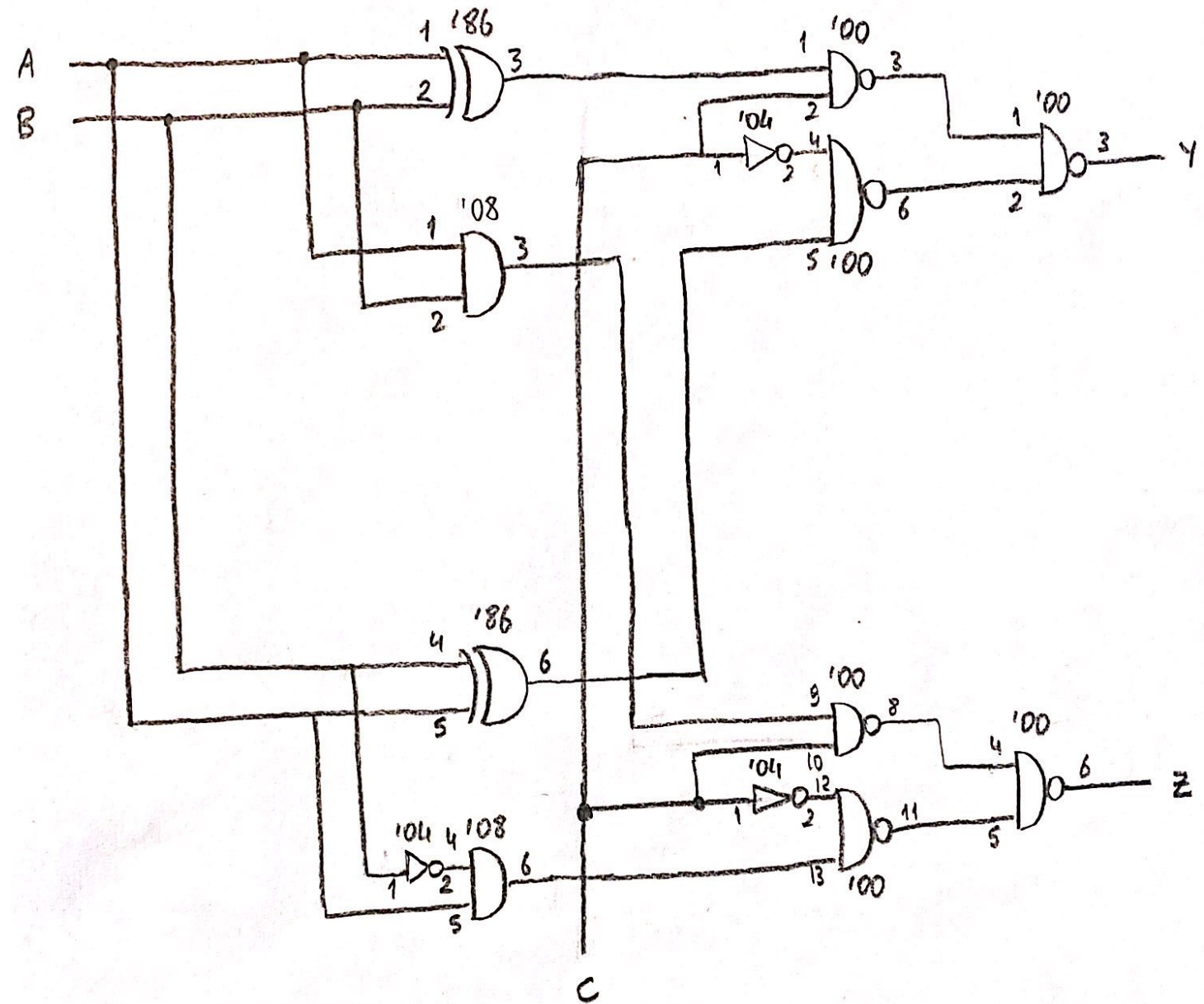
74LS08

GND-7

+5V - 14

Lab Calculator Circuit Schematic

I have limited space here so the circuit schematic is in the NEXT PAGE.



IC List

- 1 One 74LS86 Quad 2-Input XOR Gate
- 2 One 74LS04 Quad HEX Inverting Gate
- 3 One 74LS08 Quad 2-Input AND Gate
- 4 Two 74LS00 Quad 2-Input NAND Gate

74LS86

GND-7
+5V-14

74LS04

GND-7
+5V-14

74LS08

GND-7
+5V-14

74LS00

GND-7
+5V-14