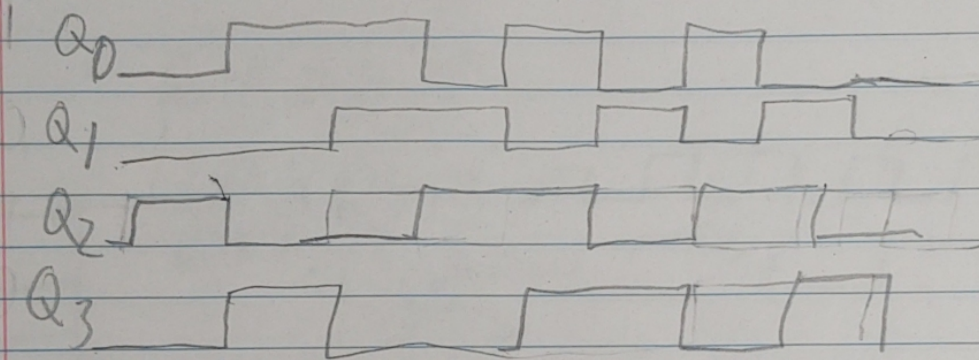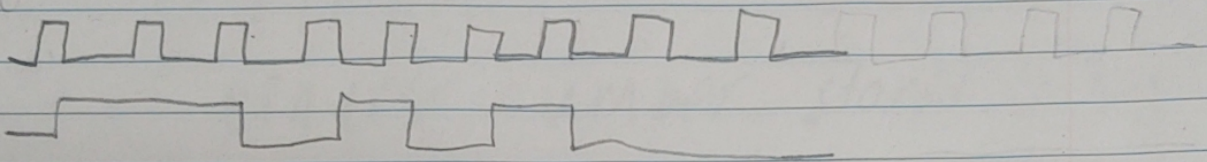Justin Huckins
COSC 330 11/11/21
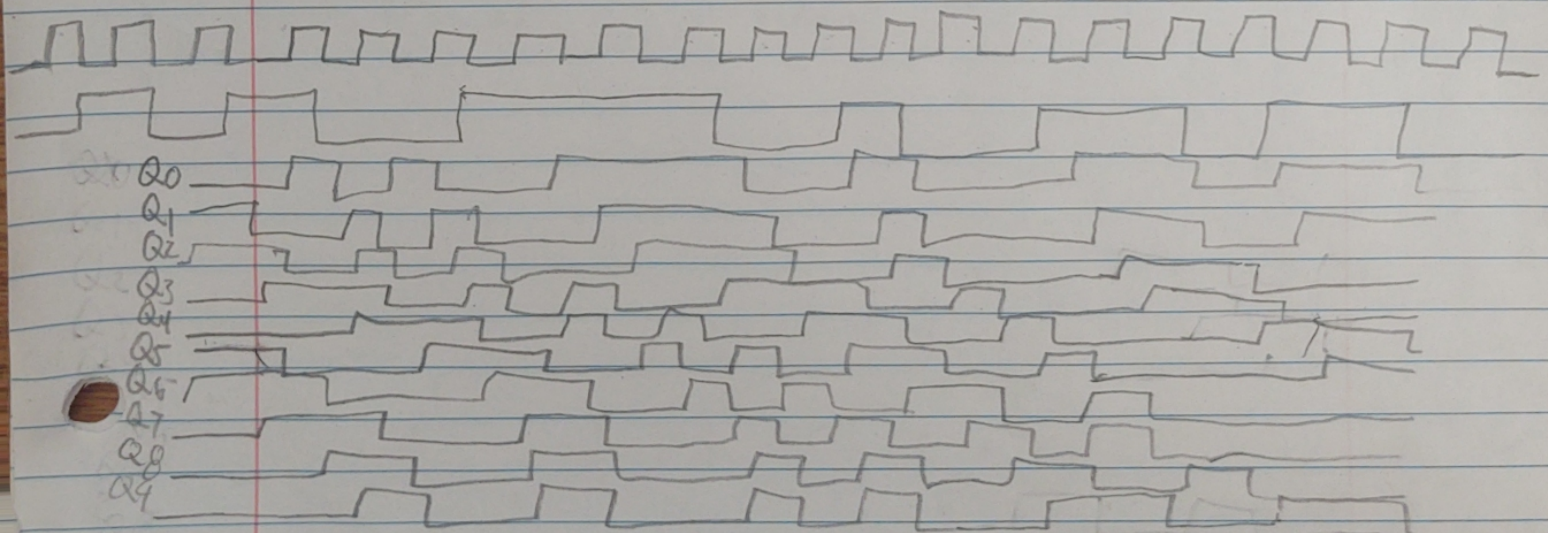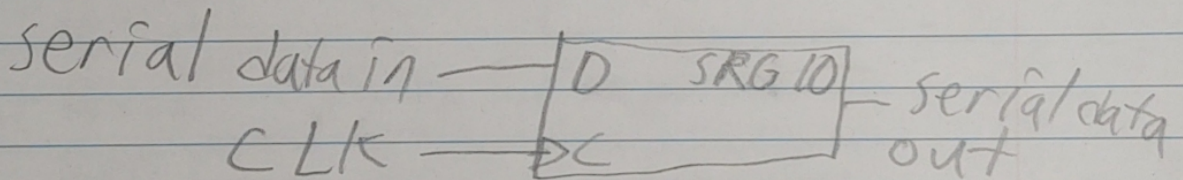
Homework #6

8-2: 6, 8, 10, 14

8-3: 21

8-4: 28

#6.

#8.
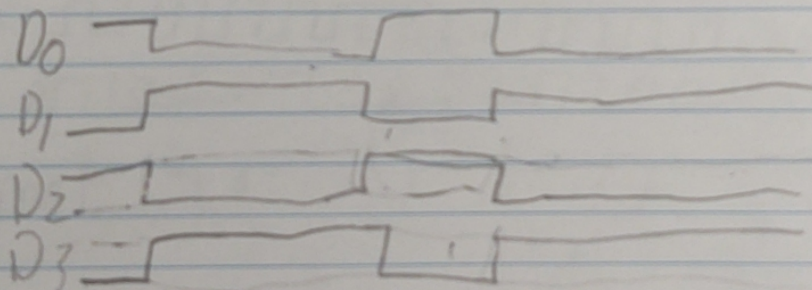
serial data in — D   SRG 10 — serial data out

CLK — C
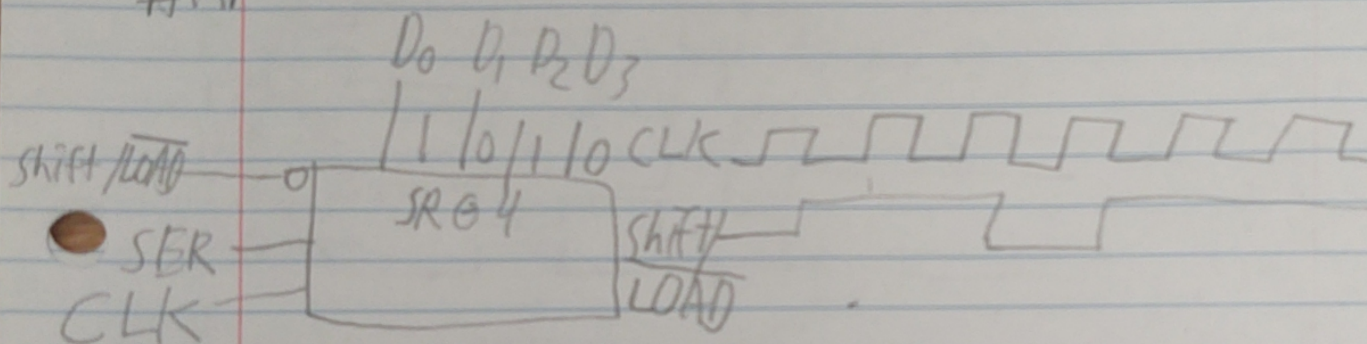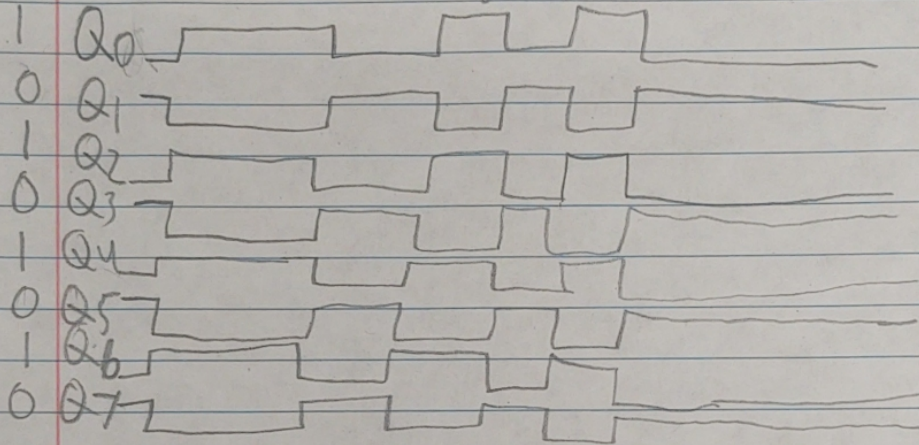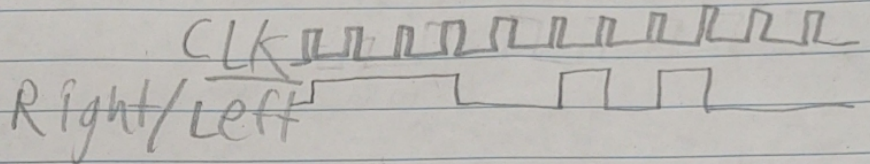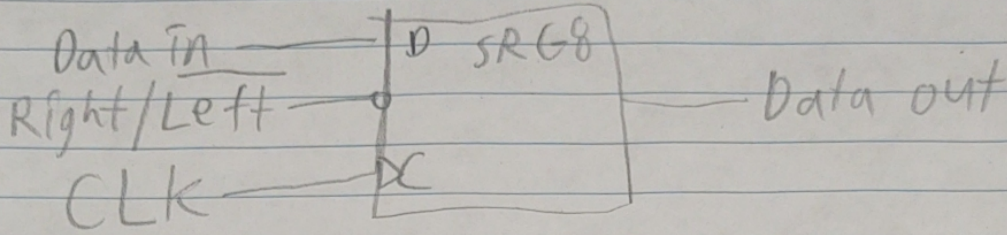
#10.

11011010

Binary number stored is 218

#14.

D_0 D_1 D_2 D_3

1 1 0 1 1 0   CLK

shift/$\overline{LOAD}$

SER

CLK

SR04

shift/LOAD

D_0

D_1

D_2

D_3

#26. Data in ——— D SRG8
Right/Left ——— ○
CLK ———— ⊳ C
                              —— Data out

CLK ⊓⊓⊓⊓⊓⊓⊓⊓⊓⊓⊓⊓⊓
Right/Left ⊓___⊓_⊓⊓_

1 Q_0
0 Q_1
1 Q_2
0 Q_3
1 Q_4
0 Q_5
1 Q_6
0 Q_7

#28. CLK ⊓⊓⊓⊓⊓⊓⊓⊓⊓⊓⊓⊓⊓⊓⊓⊓
0 Q_q 0⊓0000⊓00000⊓0000

Input ⊓_⊓_⊓