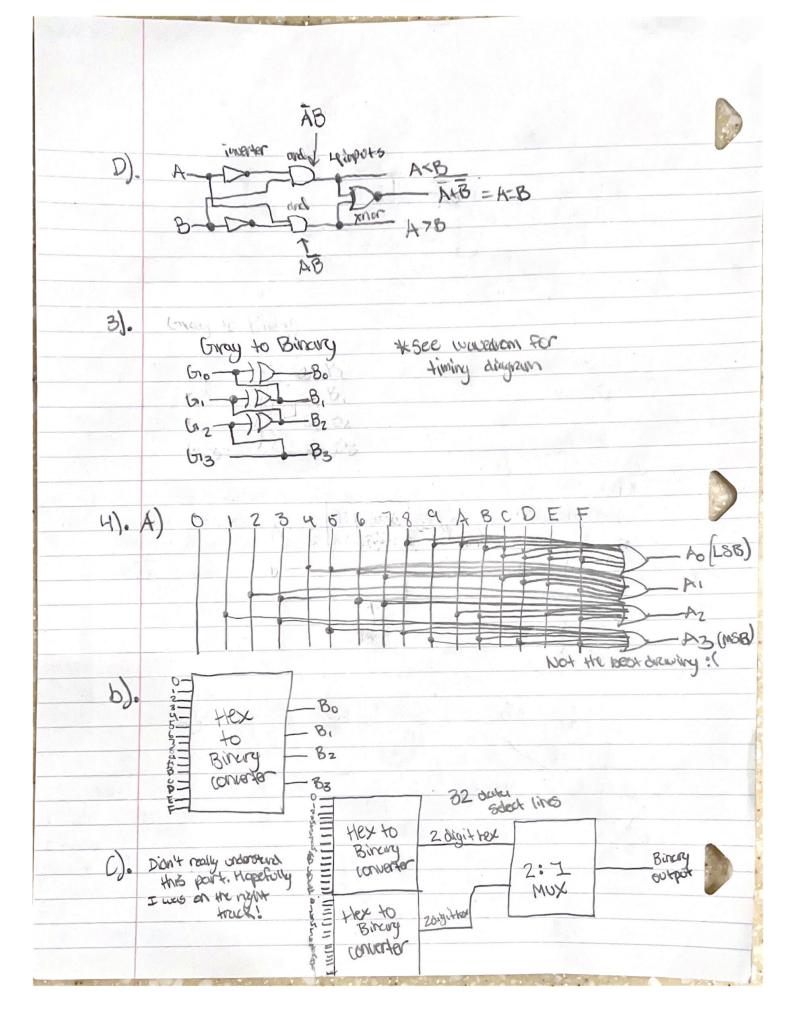


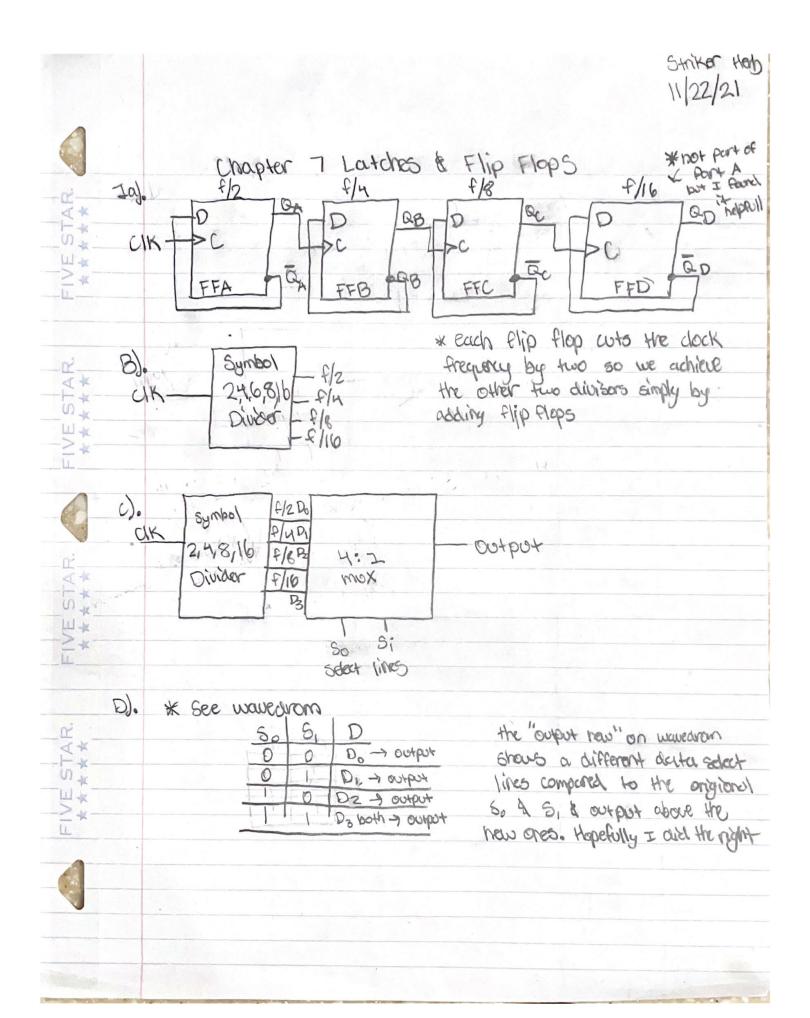
```
1 { "signal" : [
      ["Data",
      { name: "clk",
                           wave: "p....." },
      { "name": "FA1 Sum", "wave": "lh.l....." },
      { "name": "FA2 Sum", "wave": "l..h.l...." }, 
{ "name": "FA3 Sum", "wave": "l...h.l.." },
       { "name": "FA4 Sum", "wave": "l.....h.l" },
10
11
       { "name": "Carry In", "wave": "l..h....l" },
       { "name": "Carry Out", "wave": "lh.....l" },
12
13
14
15
16
17
18
19 ],
20 "config" : { "hscale" : 1 }
21 }
     FA1 Sum
      FA2 Sum
Data
      FA3 Sum
      FA4 Sum
       Carry In
     Carry Out
```



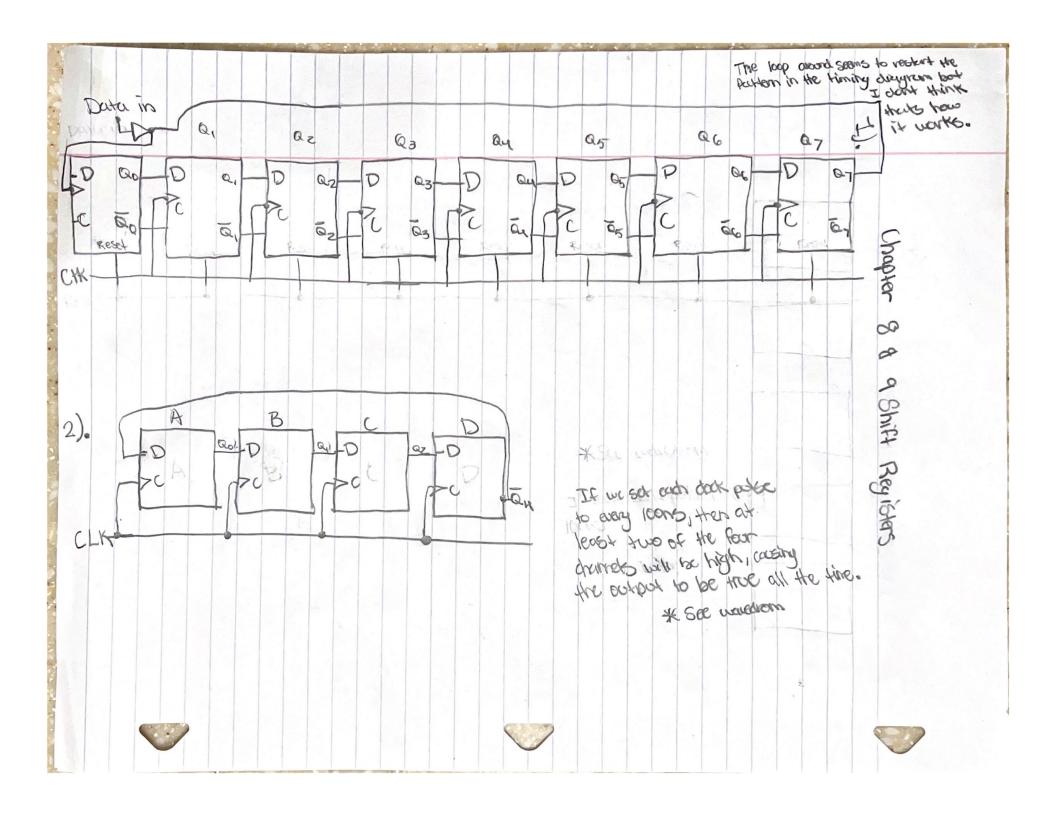


```
1|{ "signal" : [
        ["Data",
         { name: "clk",
                                     wave: "p....." },
          "name": "G0", "wave": "lh.l.h.l.h.l.h.l" },
"name": "G1", "wave": "l.h...l...h...l." },
{ "name": "G2", "wave": "l...h.....l..." },
            "name": "G3", "wave": "l.....h....." },
                 "name": "B0", "wave": "lhlhlhlhlhlhlhlhlh" },
             { "name": "B1", "wave": "l.h.l.h.l.h.l.h." }, 
{ "name": "B2", "wave": "l...h..l..h.." }, 
{ "name": "B3", "wave": "l....h...." },
13
14
15
16
         ],
17
18],
       "config" : { "hscale" : 1 }
20 }
       G0
       G1
        G2
 Data
        G3
        B0
        B1
        B2
        B3
```





```
wave: "p....." },
 4
5
       { "name": "Data select 0 original", "wave": "lhlhlhlhlhlhlhlhlhl" },
{ "name": "Data select 1 oroginal ", "wave": "l.h.l.h.l.h.l.h.l.h.l" },
{ "name": "output original", "wave": "lhl.hl.hl.hl.hl.hl.h" },
 6
7
 8
         { "name": "Data selct 0 new", "wave": "lhlhlhlhlhlhlhlhlhl" },
 9
 10
         { "name": "Data select 1 new", "wave": "l...h...l...h...l" }, { "name": "Output new", "wave": "l....hlhl....hlhl" },
11
12
 13
 14
 15
16
17
        ],
Data select 0 original
    Data select 1 oroginal
 Data
             output original
          Data selct 0 new
         Data select 1 new
                Output new
```



```
1 { "signal" : [
      ["Data",
       { name: "clk",
                              wave: "p....." },
      { "name": "Q0", "wave": "lh...l......" }, 
{ "name": "Q1", "wave": "l.h...l......" }, 
{ "name": "Q2", "wave": "l..h...l.........." },
       { "name": "Q3", "wave": "l...h...l......" },
10
        { "name": "Johnson Output", "wave": "lh........" },
11
12
13
14
15
16
17 ,
18 ],
19 "config" : { "hscale" : 1 }
20 }
                   clk
                   Q0
                   Q1
                   Q2
                   Q3
      Johnson Output
```

