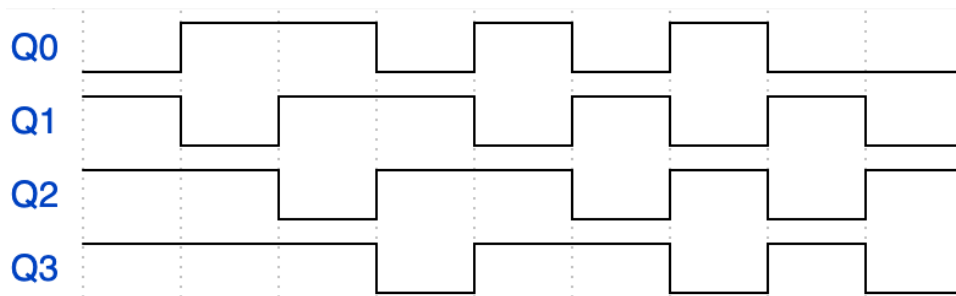


6.

```

1 { signal: [
2   { name: "Q0", wave: 'lh.lhhl.' },
3   { name: "Q1", wave: 'hlh.lhhl' },
4   { name: "Q2", wave: 'h.lh.lhlh' },
5   { name: "Q3", wave: 'h..lh.lhl' },
6 ]}
7

```

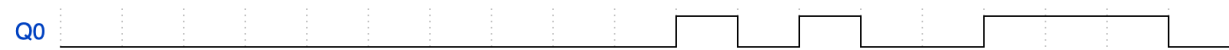


8.

```

1 { signal: [
2   { name: "Q0", wave: 'l.....hlhl.h..l|' },
3 ]}
4

```

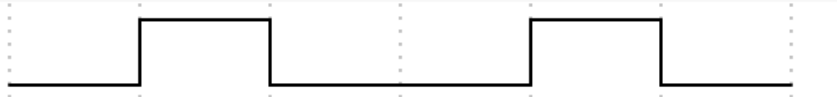


10. 1101 1010

14.

```
1 { signal: [  
2   { name: "Dout", wave: 'lh|l.hl' },  
3  
4 ]}
```

Dout



21. 70 = 0b0100 1100

Q0 -> Q7

Q0 = 010000000001

Q1 = 101000101000

Q2 = 000101010100

Q3 = 010010000010

Q4 = 111000101001

Q5 = 101101111100

Q6 = 000111010110

Q7 = 000010000011

28.

Q0 = 010000100010000

```
1 { signal: [  
2   { name: "Q0", wave: 'lh|....hl..hl...|' },  
3  
4 ]}
```

Q0

