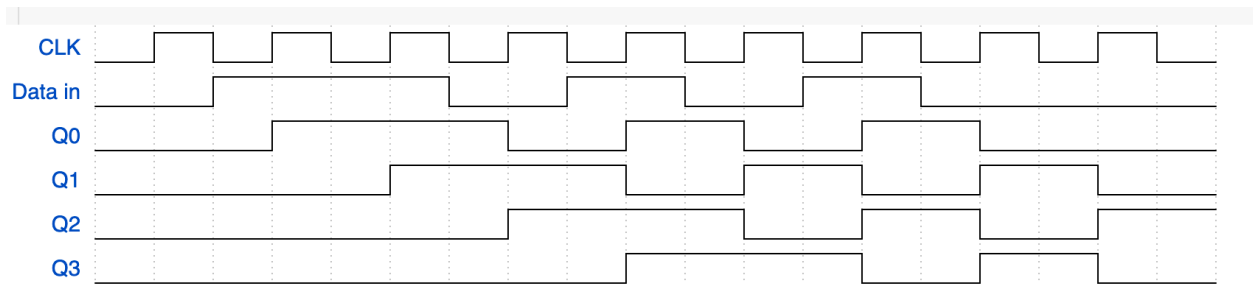
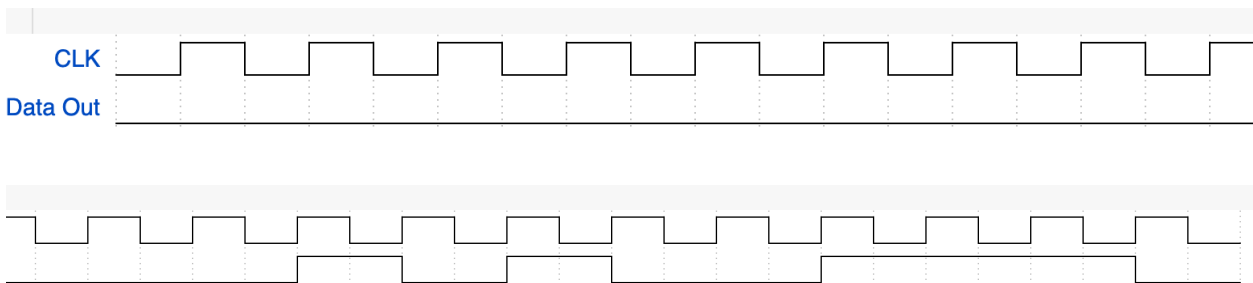


```
{ signal: [
  { name: "CLK", wave: 'lhlhlhlhlhlhlhlhlhl' },
  { name: "Data in", wave: 'l.h...l.h.l.h.l...' },

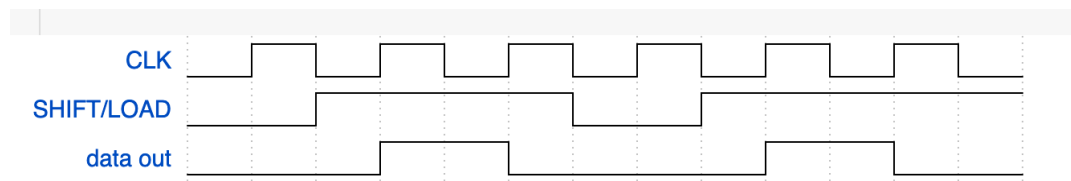
  { name: "Q0", wave: 'l..h...l.h.l.h.l...' },
  { name: "Q1", wave: 'l....h...l.h.l.h.l.' },
  { name: "Q2", wave: 'l.....h...l.h.l.h.' },
  { name: "Q3", wave: 'l.....h...l.h.l.' },
]}
```



```
{ signal: [
  { name: "CLK", wave: 'lhlhlhlhlhlhlhlhlhlhlhlhlhlhlhlhlhlhlhl' },
  { name: "Data Out", wave: 'l.....h.l.h.l...h....l.' }
]}
```



```
{ signal: [
  { name: "CLK", wave: 'lhlhlhlhlhl' },
  { name: "SHIFT/LOAD", wave: 'l.h...l.h....' },
  { name: "data out", wave: 'l.l.h.l...h.l.' },
]}
```

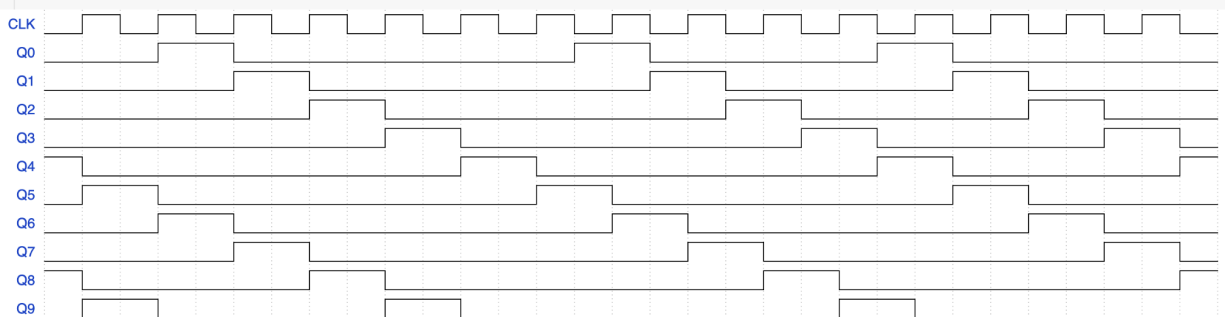


21: 76 in binary = 01001100

```
1 10011000
2 01001100
3 00100110
4 00010011
5 00100110
6 01001100
7 00100110
8 01001100
9 00100110
10 01001100
11 10011000
```

28:

```
{ signal: [
  { name: "CLK", wave: 'lhlhlhlhlhlhlhlhlhlhlhlhlhlhlhl' },
  { name: "Q0", wave: 'l..h.l.....h.l.....h.l.....' },
  { name: "Q1", wave: 'l....h.l.....h.l.....h.l.....' },
  { name: "Q2", wave: 'l.....h.l.....h.l.....h.l.....' },
  { name: "Q3", wave: 'l.....h.l.....h.l.....h.l.....' },
  { name: "Q4", wave: 'hl.....h.l.....h.l.....h.l.....' },
  { name: "Q5", wave: 'lh.l.....h.l.....h.l.....h.l.....' },
  { name: "Q6", wave: 'l..h.l.....h.l.....h.l.....h.l.....' },
  { name: "Q7", wave: 'l....h.l.....h.l.....h.l.....h.l.....' },
  { name: "Q8", wave: 'hl.....h.l.....h.l.....h.l.....h.l.....' },
  { name: "Q9", wave: 'lh.l.....h.l.....h.l.....h.l.....h.l.....' },
]}
}}
```



Initial State: 00010001000010