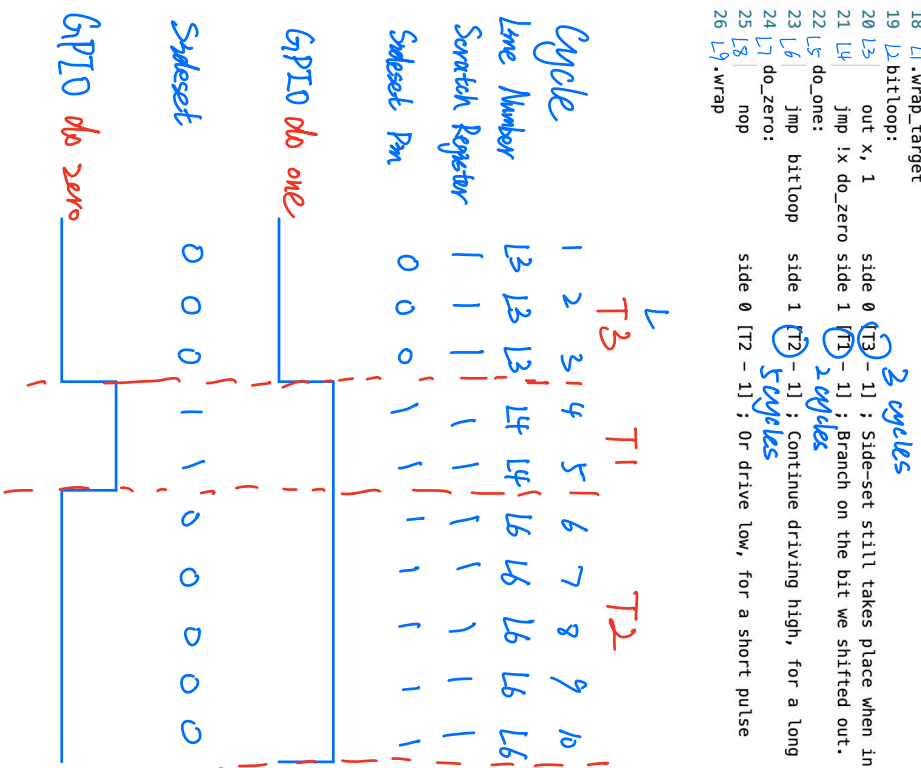


```

18 L1.wrap_target
19 L2.bitloop:
20 L3 | out x, 1 | side 0 [T3 - 1] ; Side-set still takes place when instruction stalls
21 L4 | jmp ix do_zero side 1 [T1 - 1] ; Branch on the bit we shifted out. Positive pulse
22 L5 do_one:
23 L6 | jmp bitloop | side 1 [T2 - 1] ; Continue driving high, for a long pulse
24 L7 do_zero:
25 L8 | nop | side 0 [T2 - 1] ; Or drive low, for a short pulse
26 L9.wrap

```

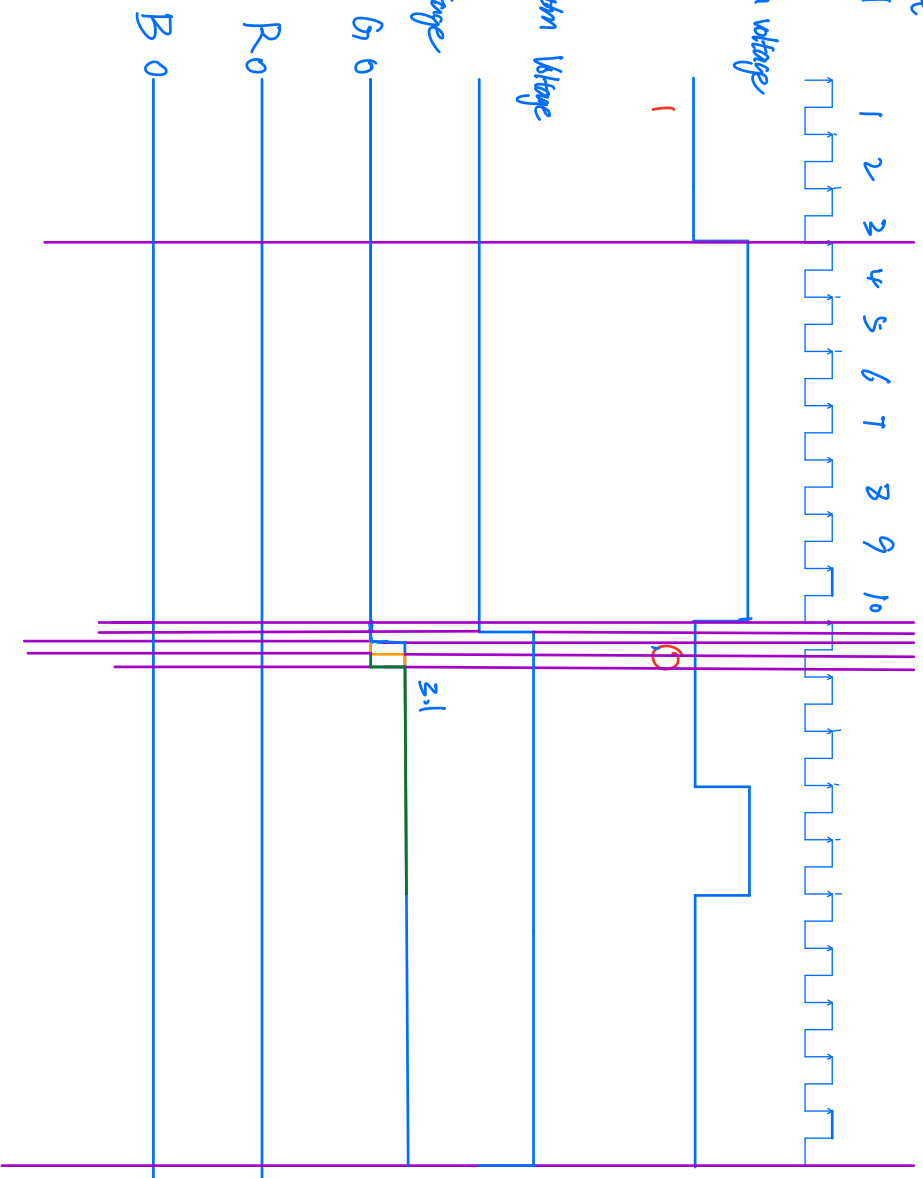


SM cycle count  
SM clock signal

GPIO output pin voltage

MSB Serial Input pin voltage

LED supply voltage  
LED current  
APDS 9960



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...

...

...

SM cycle count  
SM clock signal

71

81

91

GPIO output pin voltage

0

1

0

VB312 Serial Input pin voltage

LED supply voltage  
LED current  
APDS 9960

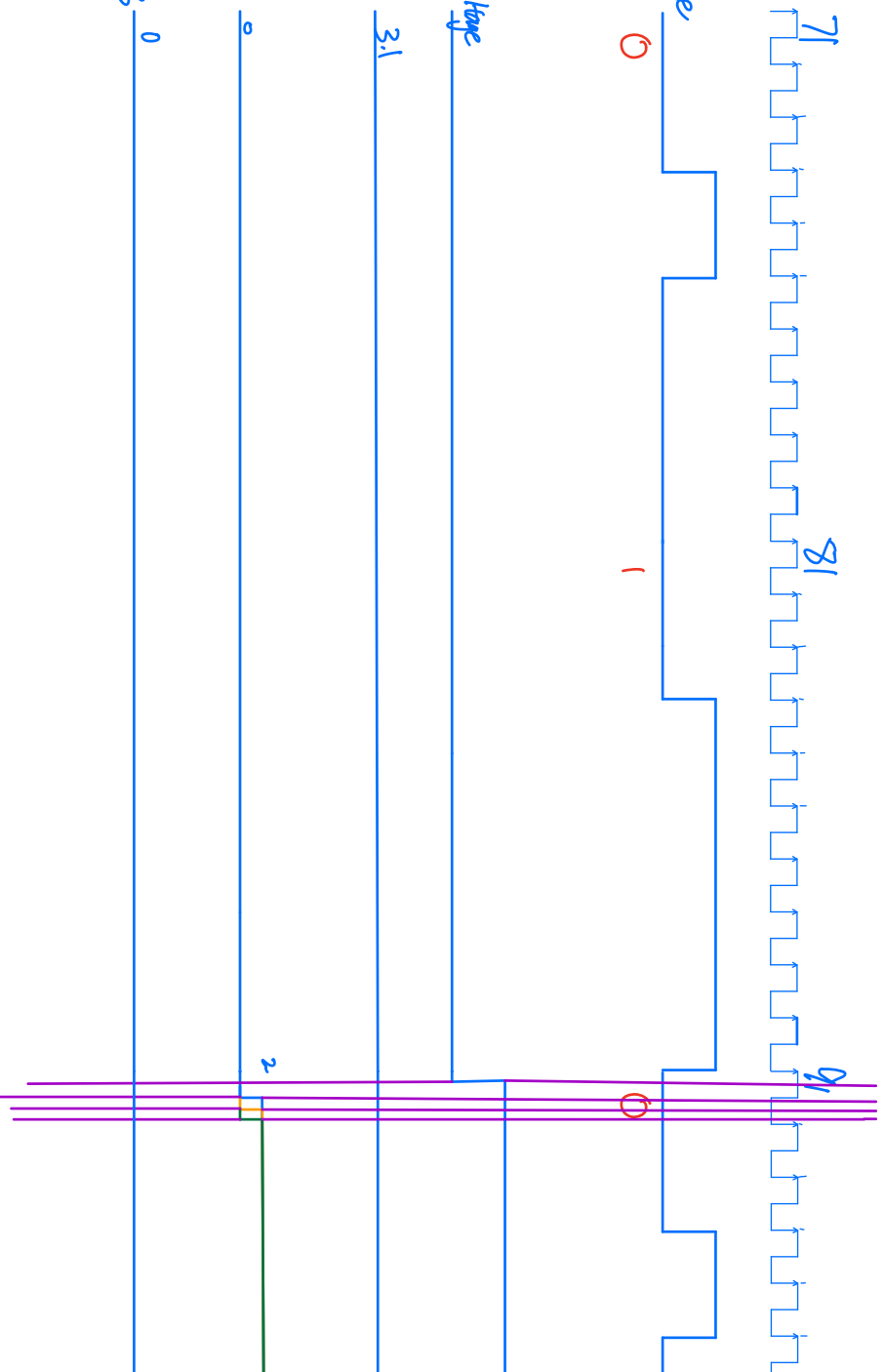
3.1

R

G

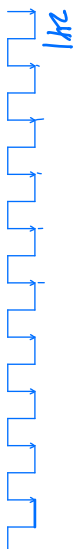
2

B 0





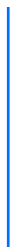
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