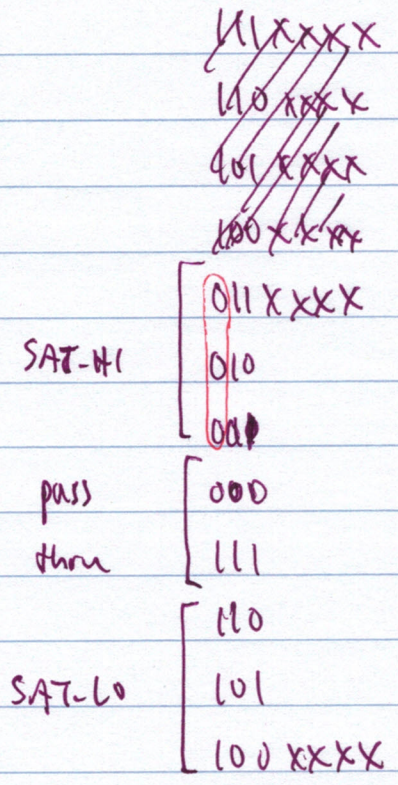


Feb. 15

Saturate multiple MSB bits

To saturate S bits, look for cases when S+1 MSB bits are not all the same



```

if (in[MSB:MSB-2] == 3'b000 || in[MSB:MSB-2] == 3'b111)
    out = in[MSB-2:0];
else if (in[MSB] == 1'b0)
    out = SAT_HI;
else
    out = SAT_LO;
    
```

