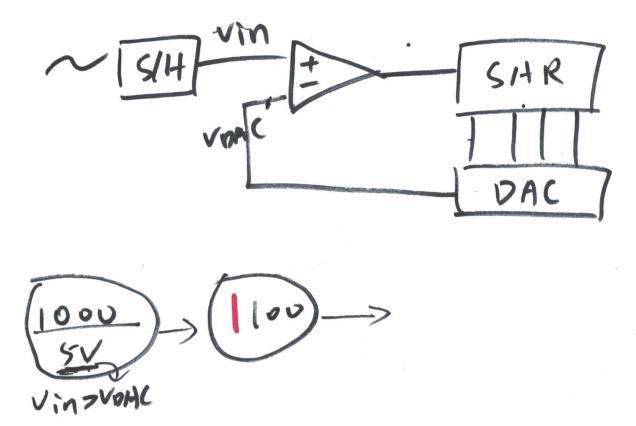
1. For a 4-bit SAR ADC, V_{REF} for the DAC is 10 V, Vin at a moment is <u>6.2V</u>. Show all the states of the ADC's output in a state diagram. Show both the analog voltage and the digital voltage for each state. (20 points)



TI DFF

