

Students names _____
Section time : _____

- 1) Connect one D flip flop

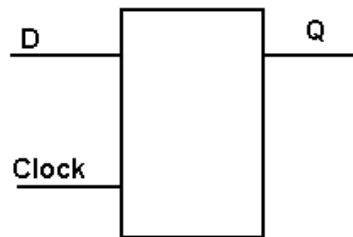


Figure 1: D FF

- 2) Set the clock frequency to 500mHZ and enter the following bit sequence 1010, one bit per clock cycle. Note your observation
- 3) Connect another D flip flop, set the Q of the first FF as the input for the D of the second FF. enter the same bit sequence (1010) on the first FF (one bit/ clock cycle) and note your observation.
- 4) Repeat step 3 for 4 flip flops as shown in figure 2
- 5) Connect 4 multiplexers as shown in figure 2

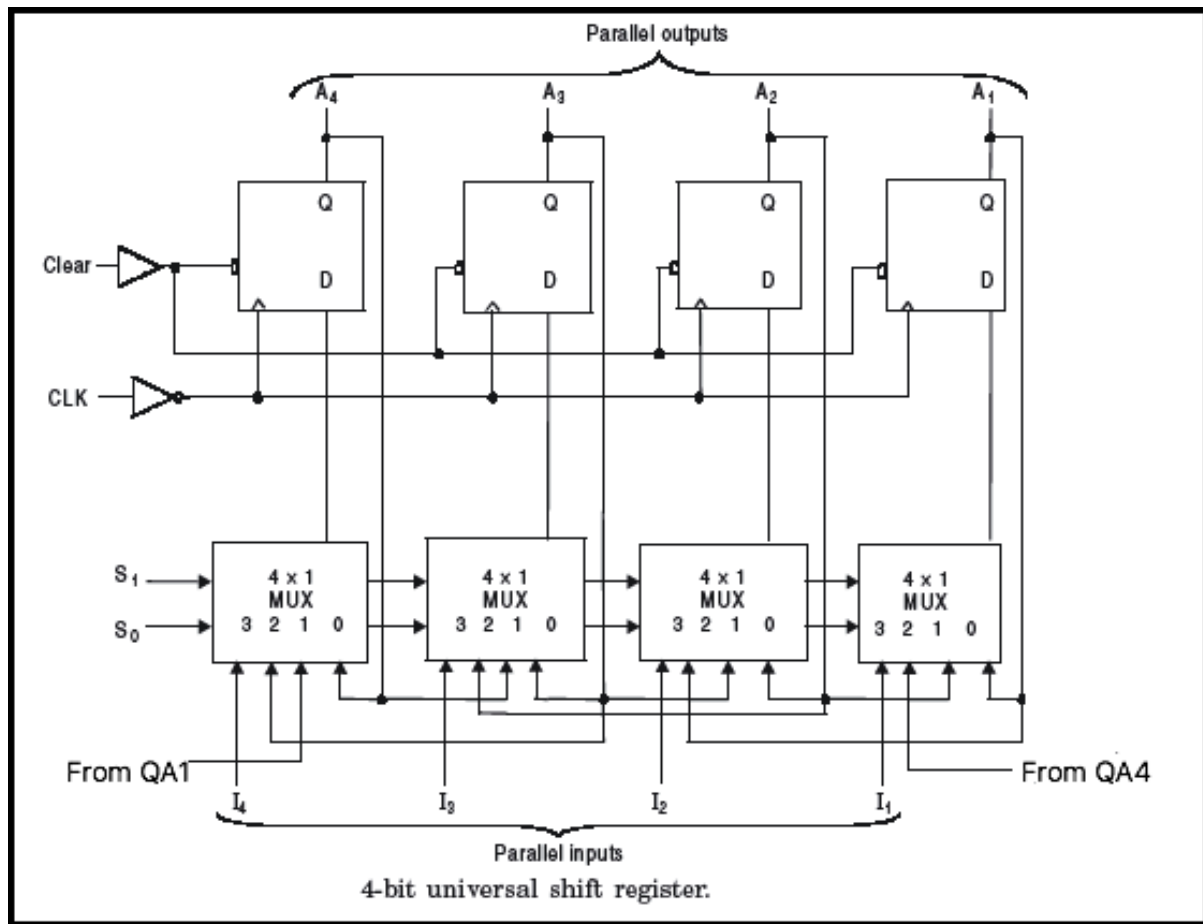


Figure 2