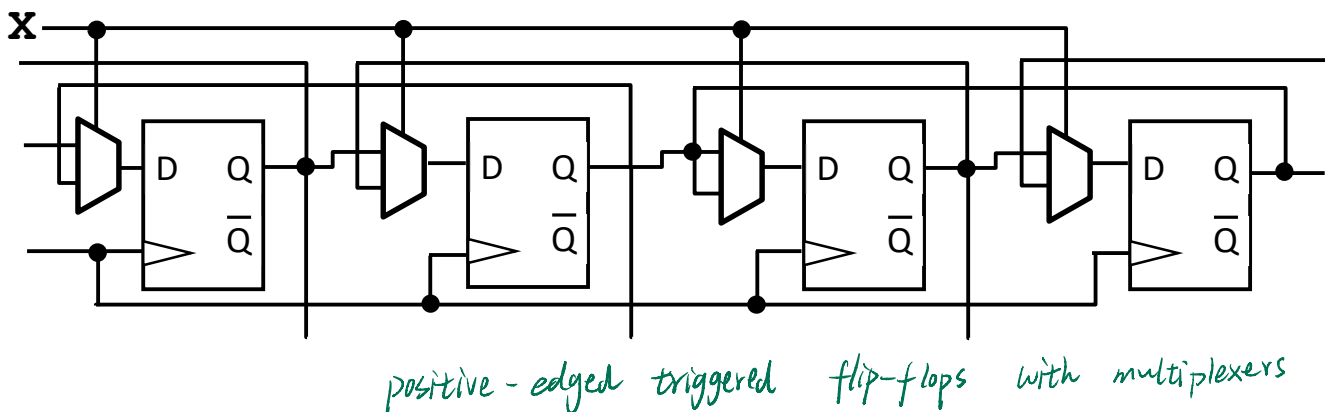
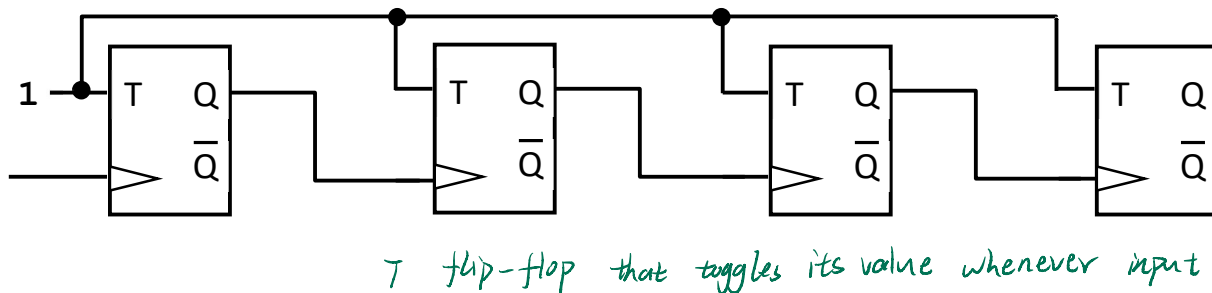
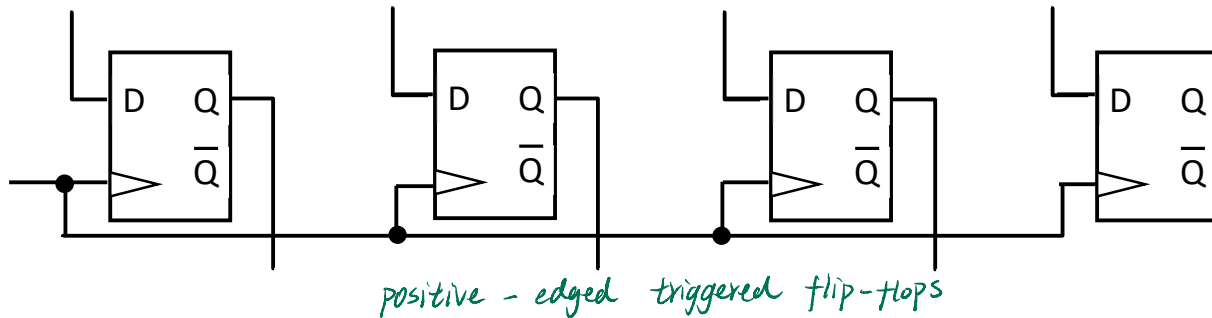


## Part F: Sequential Devices (10 marks)

1. For each of the sequential devices below, identify the operation that they perform by filling in the space below each device. Note: Be as specific as possible. For instance, “flip-flop” won’t get you full marks, whereas “positive edge-triggered RS flip-flop” would. **(8 marks)**



2. In the last diagram, what function does the input X perform? **(2 marks)**

*Switch for the multiplexers*