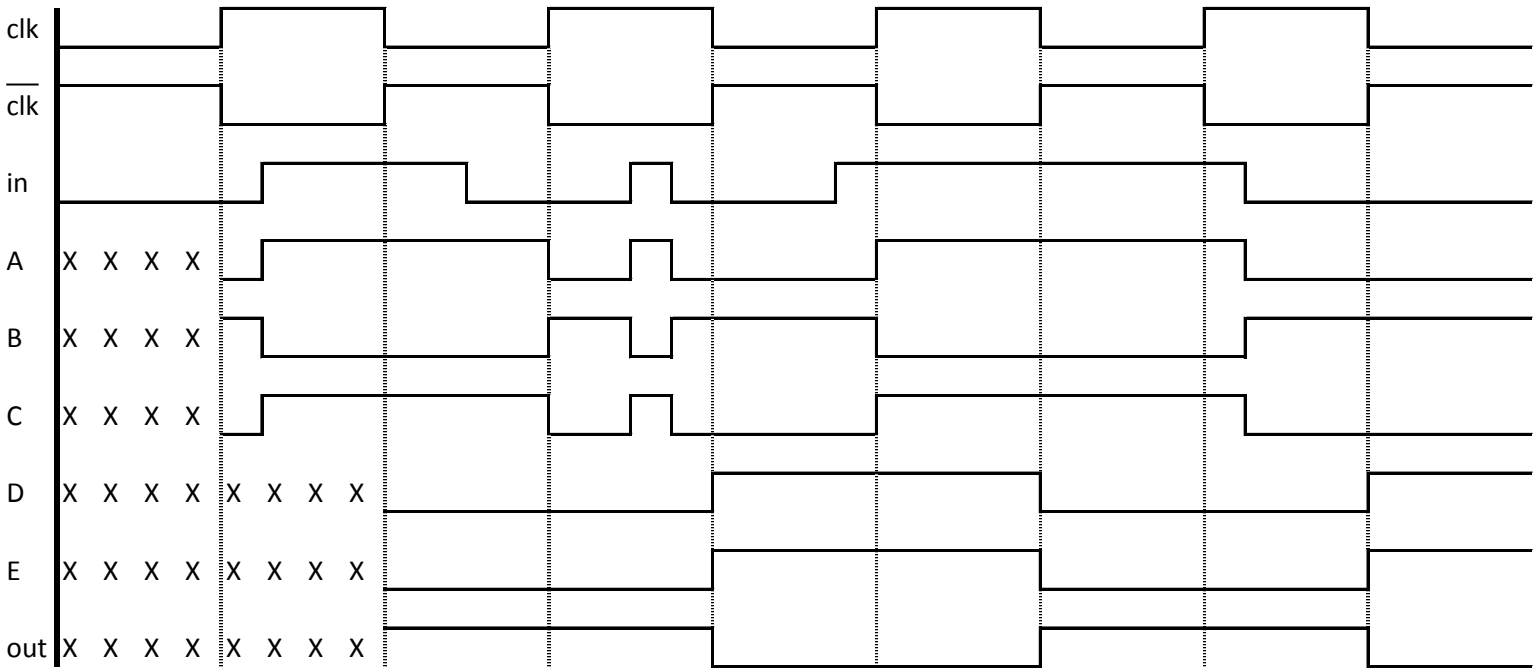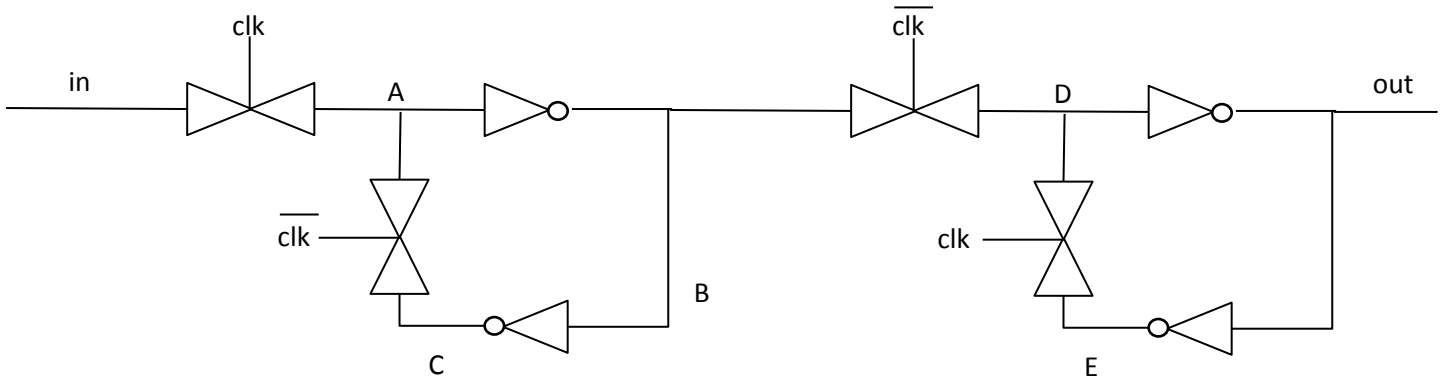1)

Fill in the chart above with the appropriate signals. Mark X's in regions where the signal state is not known.

Is this a falling edge or rising edge flip flop?   **FALLING**

2)

clk

in   A   B

clk

C

clk   D

clk   out

E

clk
clk
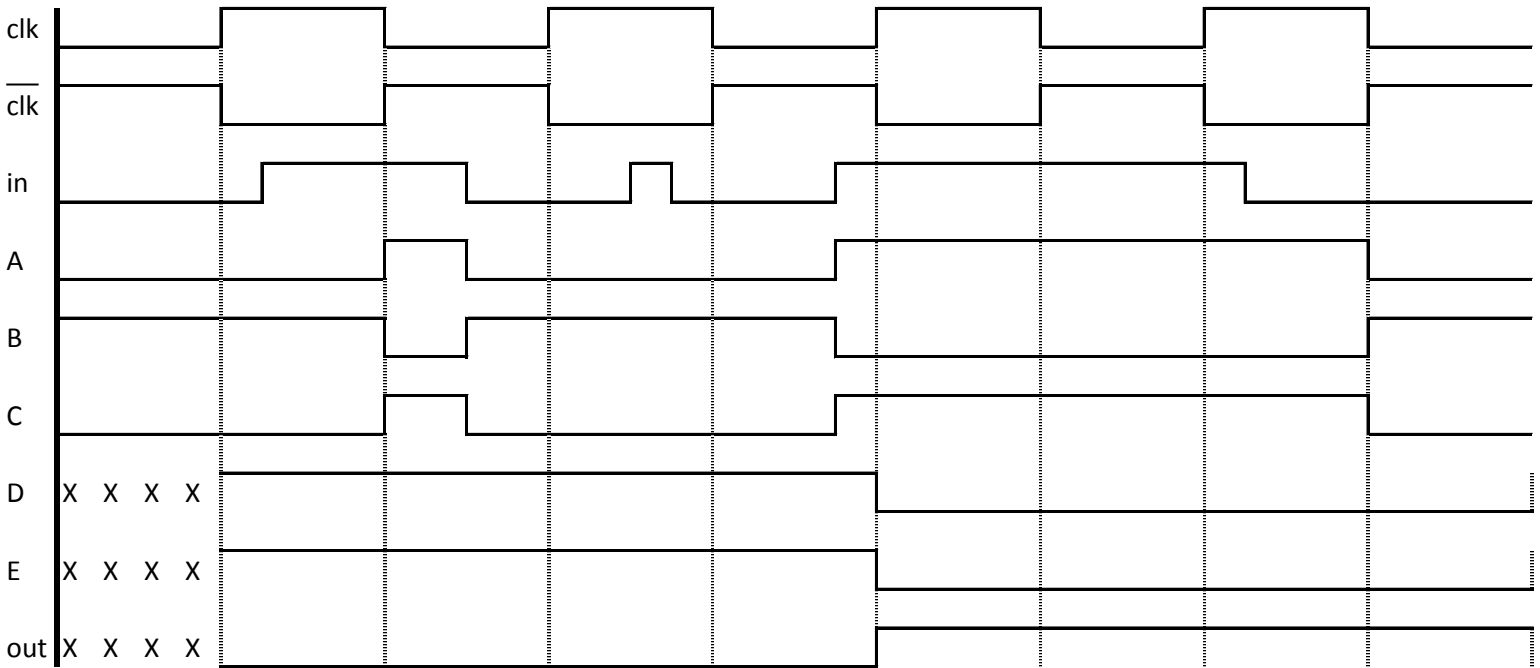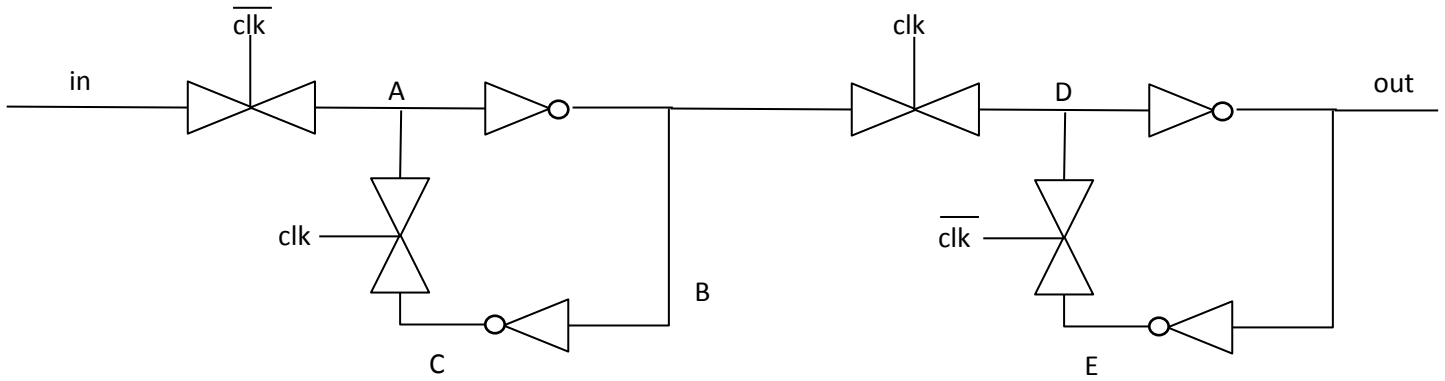in
A
B
C
D   X X X X
E   X X X X
out X X X X

Fill in the chart above with the appropriate signals. Mark X's in regions where the signal state is not known.

Is this a falling edge or rising edge flip flop?   **RISING**