

CME1214 Logic Design

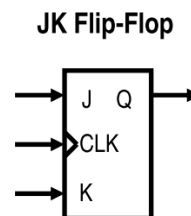
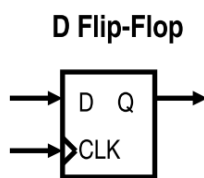
Experiment 4

1. Frequency Divider Circuit

Build frequency dividers, divide-by-2 and divide-by-4 circuit using

- a. D Flip Flops
- b. JK Flip Flops

You should build 4 circuits in total.



Preliminary Work

Draw truth tables and logic diagrams of the designs.

Construct and test the designed circuits in Quartus II.

Equipments

D Flip Flop (74LS74), JK Flip Flop (74LS76)

Other necessary ICs such as OR, AND, NOT

Breadboard, connection cables