CSC 220: Computer Organization

Labwork-7

Experiment # 1

A sequential circuit has two D flip-flops A and B, two inputs x and y, and one output z. The flip-flop input equations and the circuit output are as follows:

$$D_A = x'y + xA$$
$$D_B = x'B + xA$$
$$z = B$$

Draw the logic diagram of the circuit

Experiment # 2: Design following Register