

Labwork9

Q#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.

Q#2. Design following Register

