Digital Logic Design Quiz 04 2024/04/30

姓名:

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系級:

1. A sequential circuit with one DFF A, two inputs x and y, and one output z is specified by the following next-state and output equations.

$$A(t+1) = x + yA'$$
$$z = A$$

- (a) Draw the logic diagram of the circuit. (40%)
- (b) List the state table for the sequential circuit. (20%)
- (c) Draw the corresponding state diagram. (40%)

