Unit 7 - Week 5

Week 5 Assignment 5

Due on 2020-09-04, 23:59

Course Outline

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Supplemental Reading

A: What is a transversal graph?
   a. Two RMTs and a path graph connected in series.
   b. Two RMTs and a path graph connected in parallel and directly connected to a single source.
   c. Two RMTs and a path graph connected in parallel and one to another one.
   d. None of these.

B: How can we use the clock start signal to control the clock in a circuit?
   a. Decrease the clock frequency or the number of clock periods.
   b. Ensure the maximum delays of each connected clock block between any pairs of registers.
   c. The delay of all critical paths equal.
   d. None of these.

C: Which of the following statements is true for the stepper motor block diagram?
   a. A single step motor is used in each of the blocks.
   b. A single stepper motor is used in each of the blocks.
   c. All of these.
   d. None of these.

D: Which of the following is not true for the stepper motor block diagram?
   a. A stepper motor is used in each of the blocks.
   b. A single step motor is used in each of the blocks.
   c. All of these.
   d. None of these.

E: What is the main purpose of using buffers in a clock skew network?
   a. To resolve the module skew.
   b. To reduce the clock skew.
   c. To increase the clock skew.
   d. All of these.

F: Which of the following statements is true for the stepper motor block diagram?
   a. A stepper motor is used in each of the blocks.
   b. A single step motor is used in each of the blocks.
   c. All of these.
   d. None of these.

G: Which of the following statements is true for the stepper motor block diagram?
   a. A stepper motor is used in each of the blocks.
   b. A single step motor is used in each of the blocks.
   c. All of these.
   d. None of these.

H: Which of the following statements is true for the stepper motor block diagram?
   a. A stepper motor is used in each of the blocks.
   b. A single step motor is used in each of the blocks.
   c. All of these.
   d. None of these.

I: What is the distance from the center point to any of the terminal points in a circuit graph called?
   a. Node
   b. Edge
   c. Path
   d. Terminal

J: Which of the following statements is true for the stepper motor block diagram?
   a. A stepper motor is used in each of the blocks.
   b. A single step motor is used in each of the blocks.
   c. All of these.
   d. None of these.