

Student Name: _____

Student ID: _____

EE2000 Logic Circuit Design

Mid-Term Test 2 (Semester A 2024/25)

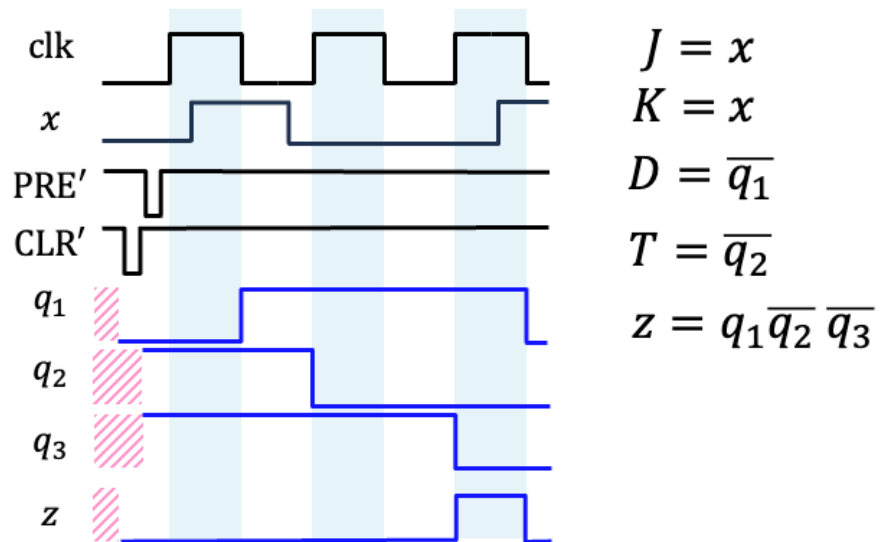
Instructions:

1. You are responsible for receiving the exam paper, **hand-writing your name and SID** and returning it to the examiner in the hall.
 2. Total time: **60 min**
 3. This paper consists of **4** questions. Answer **ALL** questions in the space given after each question.
 4. Please show all steps or else marks will be deducted.
 5. **Remain seated** until the examiner allows you to leave at the end of the test. You are not allowed to leave the hall earlier.
-

*This is a **closed-book** examination.*

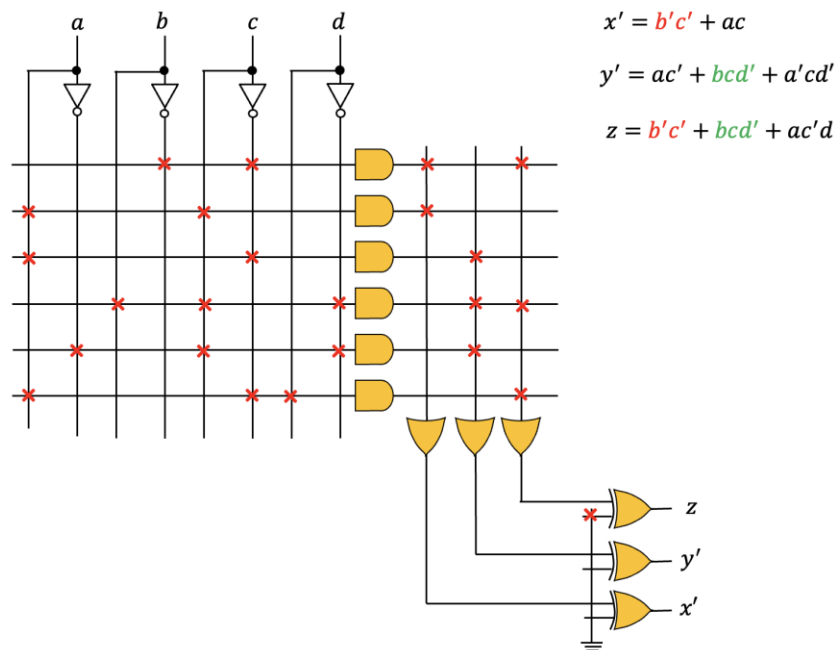
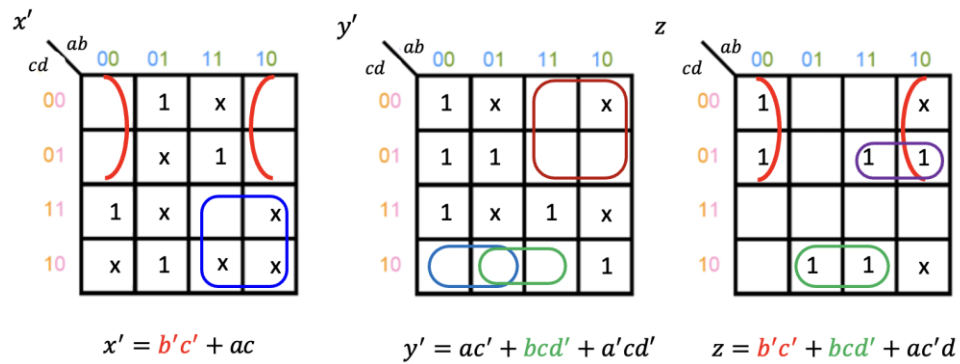
No materials or aids are allowed during the whole examination. If any unauthorized materials or aids are found on a student during the examination, the student will be subject to disciplinary action.

QUESTION 1



QUESTION 2

(13 marks)

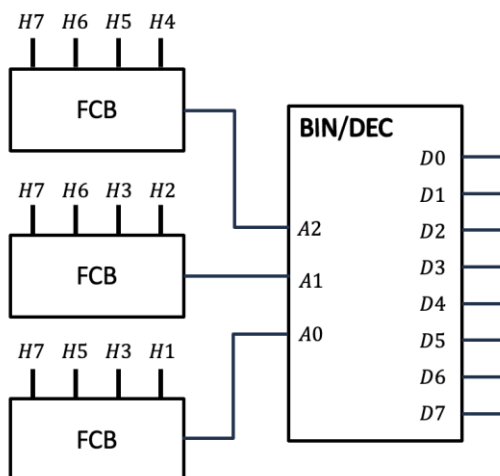
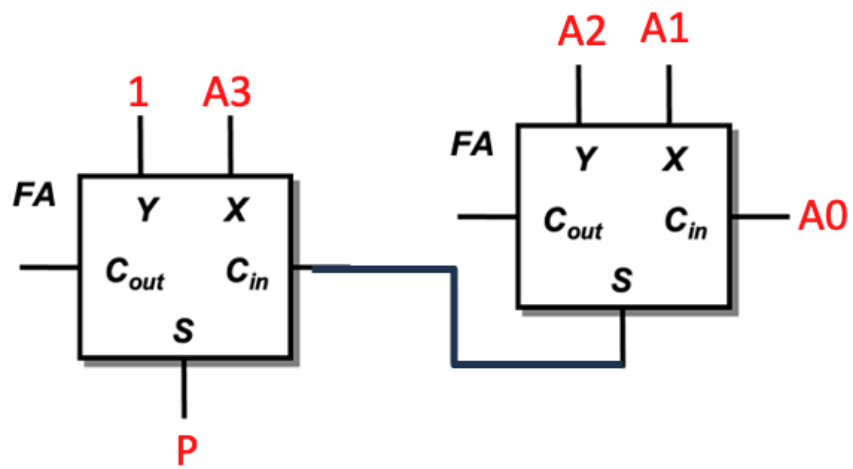


QUESTION 3

- Asynchronous active high preset/set input
- Falling/Negative/Trailing edge triggered T Flip-flops

A

QUESTION 4



- END -