AIN SHAMS UNIVERSITY FACULTY OF ENGINEERING International Credit Hours Engineering Programs (i.CHEP)



Laboratory Report Logic Design

1. Experiments Number: 3

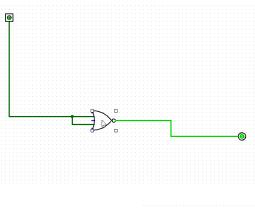
2. Name: Omar Ashraf Mabrouk

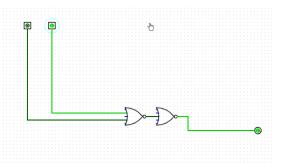
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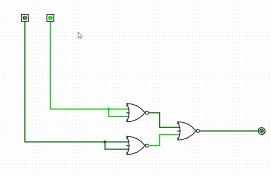
4. Group: 2

5. Section: 3

| Course Code EPM 211 | Course Name Electrical Materials | |
|---------------------|----------------------------------|---------------------------------|
| | Semester Fall 2020 | Date of Submission 13/1/2021 |

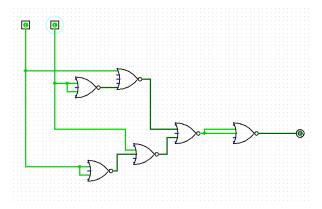


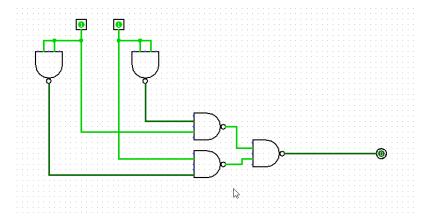




Q2

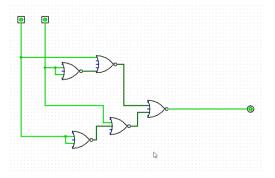
A)



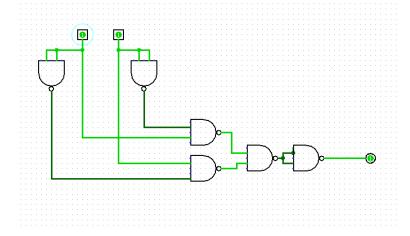


Q3

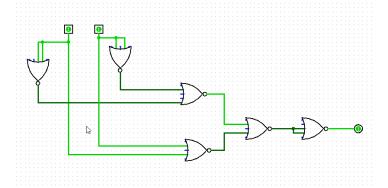
Method 1 (NOR)



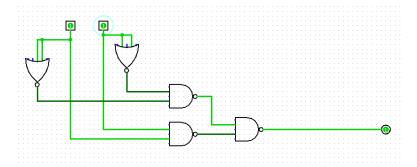
Method 1 (NAND)



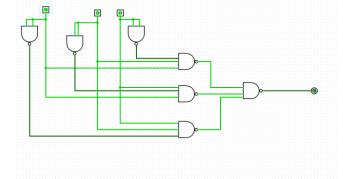
Method 2 (NOR)



Method 2 (NAND)



Q4



| \ | | | ı |
|-----|---|---|---|
| a a | b | c | x |
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 0 |
| | | | |