Alexandria University
Faculty of Engineering
Computer and Systems Engineering Dept.
First Year

CS131: Digital Computer Fundamentals
Spring 2018
Due: Wednesday 7ᵗʰ March, 2018

Tabular Method Assignment

It is required to develop a software implementation of the tabular method

Requirements

1. Inputs are the minterms of the boolean function make sure to handle the case when there are don't cares.
2. Outputs are the prime implicants and all possibilities of the minimum prime implicants of the boolean function.
3. Inputs can be read from the program by user input or from a comma separated file.
4. Outputs are displayed on the screen or in a file.
5. Use character names for variables in the output A,B,C,D, ...
6. A complemented term is displayed as A'

Report requirements

1. Report should be hard copy
2. Report include your design and modules and functions, function descriptions
3. Sample run and screen captures of the program. Show the different cases you used to test your programs.

Extras and bonus

1. GUI is an extra ... will be greatly appreciated
2. Displaying the steps of reduction not only the result.

Policies

- **If 2 or more copies are discovered, all copies will lose the total lab marks of the course.**
- No late submission is allowed.