

Alexandria University

Faculty of Engineering Computer and Systems Engineering Dept.

CS131: Digital Computer Fundamentals

Tabular Method Report

Names:

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Number:

48

Description of the program:

First you should enter the number of variables and the number of minterms which

you will enter then you can enter the minterms the program will display steps of

solutions and the final result.

Functions description:

1. get\_minterms()

to get minterms from the user and print a message to enter another

number if it isn’t in the range.

1. Tobinary()

To convert minterms from decimal to binary

1. Tabular\_method()

To divide all the minterms of a function into groups according to number

Of ones then merge minterms from adjacent to form a new implicant table

Aftrer that repeat step 2 untill no more merging is possible .

1. Remove\_twice()

To remove the minterm if it appear again .

1. Print\_steps()

To print the steps of solution

1. Print\_result()

To print the final answer.







