# Truth Tables And K-Maps:

Diagram

Description automatically generated

# K-MAPS:

Graphical user interface, diagram

Description automatically generatedCalendar

Description automatically generated



# Equations:

D(A0) = A0.’A1.A2.A3.A4

D(A1) = A1’ + A3’ + A0 + A2’.A4 + A2.A4’



D(A2) = A0’.A1.A2’.A3’.A4



D(A3) = A0’.A1.A2’.A3’.A4 + A0’.A1.A2’.A3.A4’ + A0.A1’.A2’.A3’.A4



D(A4)= A2 + A0’.A1’ + A3.A4 + A1.A3’ + A0.A4’

# Implementation and Objectives:

For part 2 of our Final Project, we had to make a Wireless IC for D – Counter. To do this, we made a truth table, and from that truth table we made separate k-maps for each of our outputs. The k-maps were verified using an online site and each circuit for separate output was implemented on the child sheet. The IC itself was made by using simple graphic tools available on graphics mode.

# ICs Used:

The ICS used were: DTFF, Loggic Probe, OR\_5, AND\_5, and some basic ICs for various inputs of OR and And.