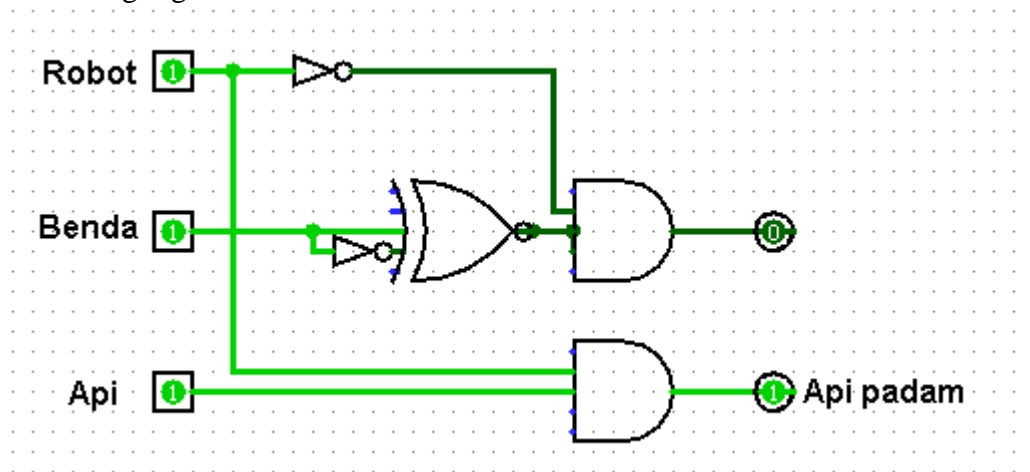


- a. Gambarkan cara kerja rangkaian ketiga sensor tersebut (dengan gerbang logika).
 - b. Buatlah table kebenaran rangkaian tersebut (disarankan menggunakan software logisim).
2. Berdasarkan soal no 1, gambarkan finite state diagram dari robot tersebut jika diimplementasikan kedalam mesin Moore dan mesin Mealy serta tentukan state akhirnya (output).

Jawaban :

1. a. Gerbang logika



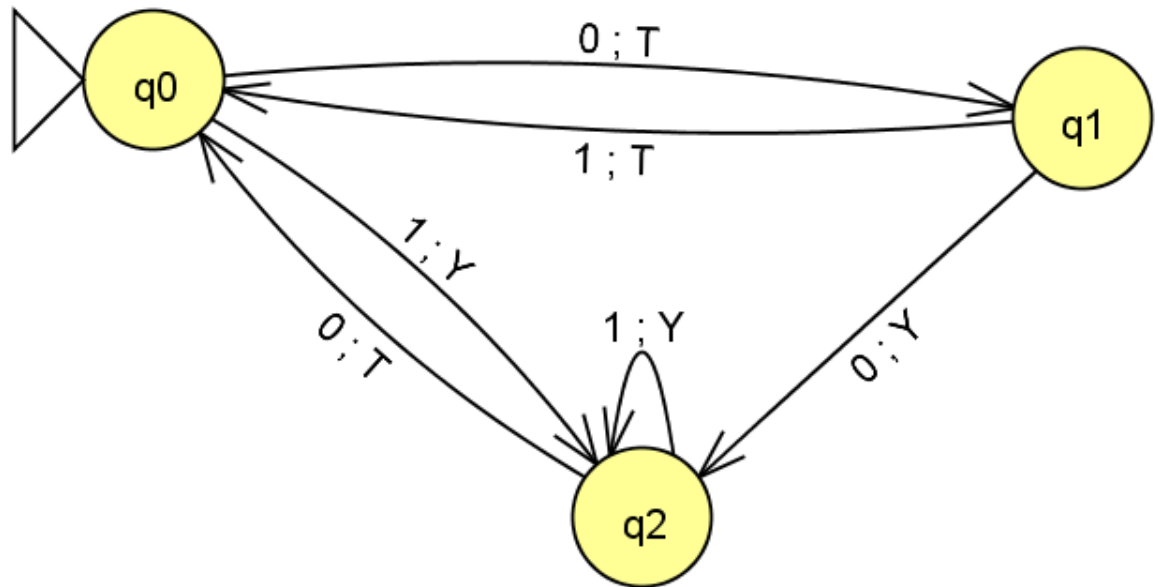
b. Tabel kebenaran

The screenshot shows a software window titled "Combinational Analysis" with a menu bar (File, Edit, Project, Simulate, Window, Help) and tabs (Inputs, Outputs, Table, Expression, Minimized). The "Table" tab is active, displaying a truth table for the circuit. The table has columns for inputs a, b, c and outputs x, y. The inputs correspond to Robot (a), Benda (b), and Api (c). The outputs correspond to x and y (Api padam). The table contains 8 rows of data.

a	b	c	x	y
0	0	0	0	0
0	0	1	0	0
0	1	0	0	0
0	1	1	0	0
1	0	0	0	0
1	0	1	0	1
1	1	0	0	0
1	1	1	0	1

At the bottom of the window, there is a button labeled "Build Circuit".

2. Mesin Mealy



Mesin Moore

