Digital Design and Computer Organization Laboratory UE22CS251A

3rd Semester, Academic Year 2023-24

Date:

Name: Gurram Shreya	SRN:	Section:
	PES2UG22CS209	D

Week#__2____

Program Number:___1___

Title of the Program

SIMPLE_CIRCUIT

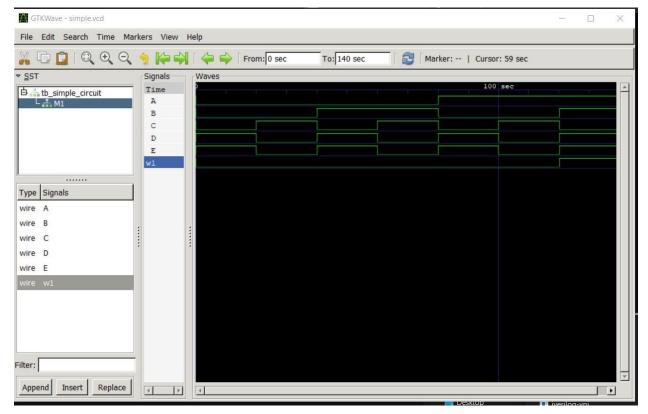
Aim:

WRITE A VERILOG PROGRAM TO MODEL THE GIVEN SIMPLE CIRCUIT.GENERATE THE VVP OUTPUT AND VIEW THE SIMULATION WAVEFORM USING GTKWAVE.VERIFY THE OUTPUT AND WAVEFORM WITH THE RELEVANT TRUTH TABLE

1. Paste the Screen Shot of the source code

2. Paste the Screen Shot of the VVP command output

3. Paste the Screen shot of the GTKWave form



4. Include relevant Truth Table

Α	В	С	D	E
0	0	0	1	1
0	0	1	0	0
0	1	0	1	1
0	1	1	0	0
1	0	0	1	1
1	0	1	0	0
1	1	0	1	1
1	1	1	1	0

Week#_	_2	
Program Nu	mber:	22

Title of the Program

CIRCUIT1

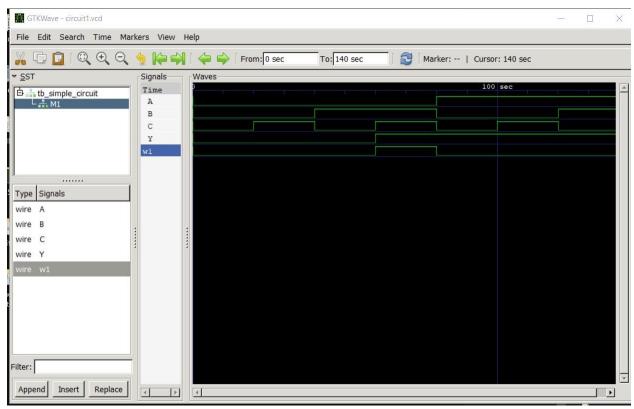
Aim:

WRITE A VERILOG PROGRAM TO MODEL THE GIVEN CIRCUIT1. GENERATE THE VVP OUTPUT AND VIEW THE SIMULATION WAVEFORM USING GTKWAVE.VERIFY THE OUTPUT AND WAVEFORM WITH THE RELEVANT TRUTH TABLE

1. Paste the Screen Shot of the source code

2. Paste the Screen Shot of the VVP command output

3. Paste the Screen shot of the GTKWave form



4. Include relevant Truth Table

Α	В	С	Υ
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	1

Week#	2		
-------	---	--	--

Program Number: ___3___

Title of the Program

CIRCUIT2

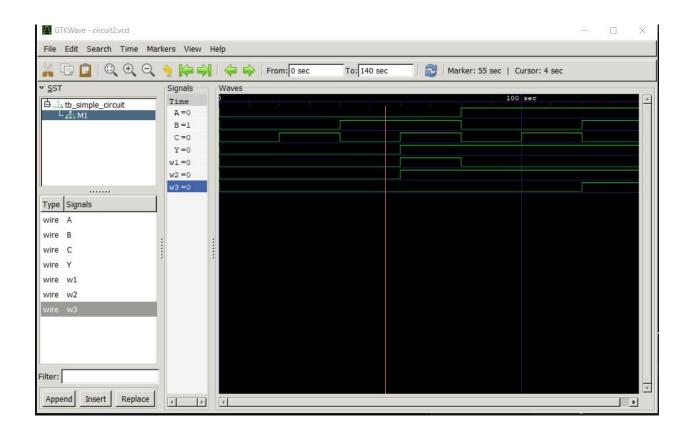
Aim:

WRITE A VERILOG PROGRAM TO MODEL THE GIVEN CIRCUIT2. GENERATE THE VVP OUTPUT AND VIEW THE SIMULATION WAVEFORM USING GTKWAVE.VERIFY THE OUTPUT AND WAVEFORM WITH THE RELEVANT TRUTH TABLE

1. Paste the Screen Shot of the source code

2. Paste the Screen Shot of the VVP command output

3. Paste the Screen shot of the GTKWave form



4. Include relevant Truth Table

Α	В	С	Υ
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	1

Disclaimer:

- The programs and output submitted is duly written, verified and executed my me.
- I have not copied from any of my peers nor from the external resource such as internet.
- If found plagiarized, I will abide with the disciplinary action of the University.

Signature:

Name: Gurram Shreya

SRN: PES2UG22CS209

Section: D:

Date: 17-08-2023