

3/10/2022

LAB 5.2

Computer Technology E88* 21/22

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Previous Study session 2:
(Before the lab)

1) Truth table of the encoder

2) Truth table of the result logic block

1)

T_1	R_1	P_1	S_1	S_0
0	0	0	0	0
0	0	1	0	1
0	1	0	1	0
0	1	1	0	0
1	0	0	1	1
1	0	1	0	0
1	1	0	0	0
1	1	1	0	0

0 1 paper
1 0 rock
1 1 winner

2) S_1 S_2

x_1	x_2	x_3	x_4	G_1	G_2
0	0	0	0	0	0
0	0	0	1	0	1
0	0	1	0	0	1
0	0	1	1	0	1
0	1	0	0	1	0
0	1	0	1	1	1
0	1	1	0	1	0
0	1	1	1	0	1
1	0	0	0	1	0
1	0	0	1	0	1
1	0	1	0	1	1
1	0	1	1	1	0
1	1	0	0	1	0
1	1	0	1	1	0
1	1	1	0	0	1
1	1	1	1	1	1