

1번

HW11

(a)

Q : 현재 0원 인 경우

R : 현재 50원인 경우

S : 현재 100원인 경우

T : 현재 150원인 경우

U : 현재 200원인 경우

Present state ABC	Input M_1M_0	Nextstate $A^*B^*C^*$	Output GC	J_A	K_A	J_B	K_B	J_C	K_C
Q 000	00	000	00	0x	0x	0x	0x	0x	0x
	01	001	00	0x	0x	1x	1x	1x	1x
	10	010	00	0x	1x	0x	0x	0x	0x
R 001	00	001	00	0x	0x	0x	0x	0x	0x
	01	010	00	0x	1x	1x	1x	1x	1x
	10	011	00	0x	1x	0x	0x	0x	0x
S 010	00	010	00	0x	0x	0x	0x	0x	0x
	01	011	00	0x	0x	1x	1x	1x	1x
	10	100	00	1x	1x	0x	0x	0x	0x
T 011	x	000	10	0x	1x	1x	1x	1x	1x
	x	001	10	0x	1x	0x	0x	0x	0x
	x	010	10	0x	1x	1x	1x	1x	1x
	x	011	10	0x	1x	0x	0x	0x	0x
	x	100	10	1x	1x	0x	0x	0x	0x

CS CamScanner로 스캔하기

(b)

J_B

M_1M_0 BC	00	01	11	10
00	0	0	1	1
01	0	1	1	1
11	1	1	1	1
10	1	1	1	1

M_1M_0 BC	00	01	11	10
00	0	0	1	1
01	1	1	1	1
11	1	1	1	1
10	1	1	1	1

$$J_A = BCM_1 \quad K_A = 1$$

$$J_B = A'M_1 + CM_0 \quad K_B = M_1 + BC$$

$$J_C = A'M_0 \quad K_C = B + M_1M_0$$

K_B A=0

M_1M_0 BC	00	01	11	10
00	1	1	1	1
01	1	1	1	1
11	1	1	1	1
10	1	1	1	1

A=0

A=1

M_1M_0 BC	00	01	11	10
00	1	1	1	1
01	1	1	1	1
11	1	1	1	1
10	1	1	1	1

A=1

J_A

M_1M_0 BC	00	01	11	10
00	0	0	1	0
01	0	0	1	0
11	0	0	1	0
10	0	0	1	0

A=0

M_1M_0 BC	00	01	11	10
00	0	0	1	0
01	1	1	1	1
11	1	1	1	1
10	1	1	1	1

A=1

K_C

M_1M_0 BC	00	01	11	10
00	1	1	1	1
01	0	1	1	0
11	1	1	1	1
10	1	1	1	1

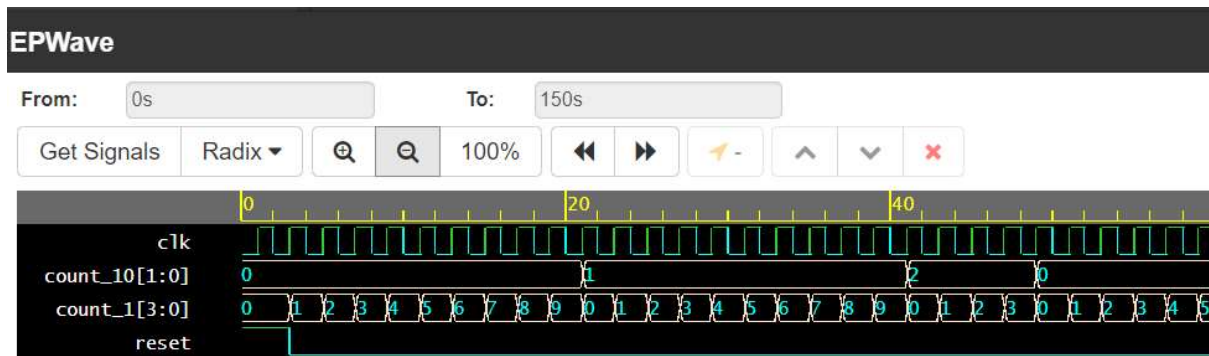
A=0

M_1M_0 BC	00	01	11	10
00	1	1	1	1
01	1	1	1	1
11	1	1	1	1
10	1	1	1	1

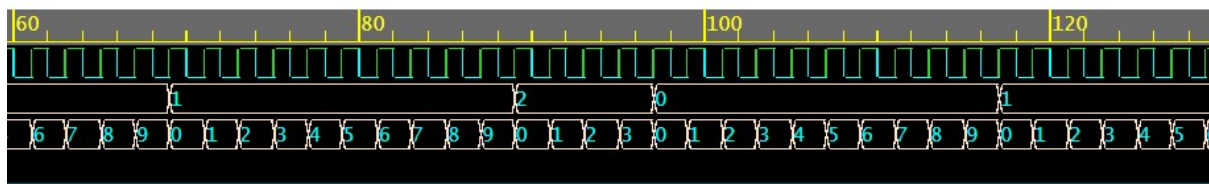
A=1

CS CamScanner로 스캔하기

2-(C)



Note: To revert to EPWave opening in a new browser window, set that option on your user page.



[2021-05-25 13:56:37 EDT] iverilog '-Wall' design.sv tes

VCD info: dumpfile dump.vcd opened for output.

```
time=          1, BCD_24_mod =0 0
time=          3, BCD_24_mod =0 1
time=          5, BCD_24_mod =0 2
time=          7, BCD_24_mod =0 3
time=          9, BCD_24_mod =0 4
time=         11, BCD_24_mod =0 5
time=         13, BCD_24_mod =0 6
time=         15, BCD_24_mod =0 7
time=         17, BCD_24_mod =0 8
time=         19, BCD_24_mod =0 9
time=         21, BCD_24_mod =1 0
time=         23, BCD_24_mod =1 1
time=         25, BCD_24_mod =1 2
time=         27, BCD_24_mod =1 3
time=         29, BCD_24_mod =1 4
time=         31, BCD_24_mod =1 5
time=         33, BCD_24_mod =1 6
time=         35, BCD_24_mod =1 7
time=         37, BCD_24_mod =1 8
time=         39, BCD_24_mod =1 9
time=         41, BCD_24_mod =2 0
time=         43, BCD_24_mod =2 1
time=         45, BCD_24_mod =2 2
time=         47, BCD_24_mod =2 3
time=         49, BCD_24_mod =0 0
time=         51, BCD_24_mod =0 1
time=         53, BCD_24_mod =0 2
time=         55, BCD_24_mod =0 3
time=         57, BCD_24_mod =0 4
time=         59, BCD_24_mod =0 5
time=         61, BCD_24_mod =0 6
time=         63, BCD_24_mod =0 7
time=         65, BCD_24_mod =0 8
time=         67, BCD_24_mod =0 9
time=         69, BCD_24_mod =1 0
time=         71, BCD_24_mod =1 1
time=         73, BCD_24_mod =1 2
time=         75, BCD_24_mod =1 3
time=         77, BCD_24_mod =1 4
..         79, BCD_24_mod =1 5
```

```

time=          77, BCD_24_mod =1 4
time=          79, BCD_24_mod =1 5
time=          81, BCD_24_mod =1 6
time=          83, BCD_24_mod =1 7
time=          85, BCD_24_mod =1 8
time=          87, BCD_24_mod =1 9
time=          89, BCD_24_mod =2 0
time=          91, BCD_24_mod =2 1
time=          93, BCD_24_mod =2 2
time=          95, BCD_24_mod =2 3
time=          97, BCD_24_mod =0 0
time=          99, BCD_24_mod =0 1
time=         101, BCD_24_mod =0 2
time=         103, BCD_24_mod =0 3
time=         105, BCD_24_mod =0 4
time=         107, BCD_24_mod =0 5
time=         109, BCD_24_mod =0 6
time=         111, BCD_24_mod =0 7
time=         113, BCD_24_mod =0 8
time=         115, BCD_24_mod =0 9
time=         117, BCD_24_mod =1 0
time=         119, BCD_24_mod =1 1
time=         121, BCD_24_mod =1 2
time=         123, BCD_24_mod =1 3
time=         125, BCD_24_mod =1 4
time=         127, BCD_24_mod =1 5
time=         129, BCD_24_mod =1 6
time=         131, BCD_24_mod =1 7
time=         133, BCD_24_mod =1 8
time=         135, BCD_24_mod =1 9
time=         137, BCD_24_mod =2 0
time=         139, BCD_24_mod =2 1
time=         141, BCD_24_mod =2 2
time=         143, BCD_24_mod =2 3
time=         145, BCD_24_mod =0 0
time=         147, BCD_24_mod =0 1
.

```