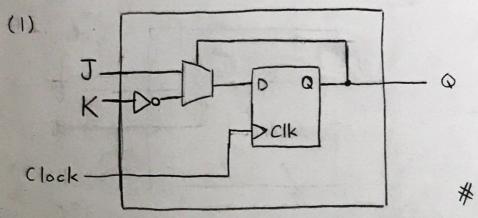
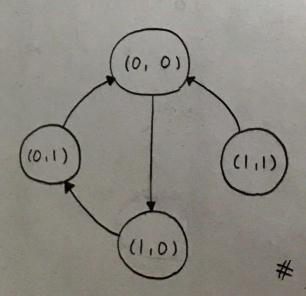
Logic Pesign 小考 (%1) - 109060013 张世瑜



101	Present State	Input		Next State	Output
(5)	Q	-X	Y	Q'	S
	0	0	0	0	0
	0	0	1	0	1
	0	1	0	0	1
	0	1	1	1	0
	1	0	0	0	1
	1	0	1	1	0
	1	1	0	1	0
	1	1	1	1	1

(0,0)/0	, (0,1)/1, (1,0)/1
	TO P
	2
(0,0)/1	(1,1)/0
	1
	()
(0.1)/0	, (1,0)/0 , (1,1)/1
(0)(1)/0	, (11070 , (1717)
	*

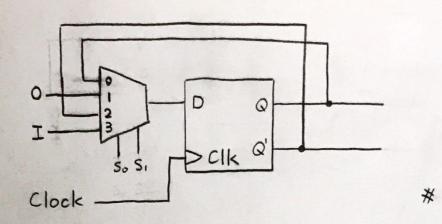
(3)	Present		Next A+		TA	Тв
	0	0	1	0	0	10.00
	0	1	0	0	1	1
	1	0	0	1	1	0
	1	1	0	0	1	1



```
(4)
            > CIK
                                   > Clk
  Clock
                                                    #
(5)
                    Outputs
              wire
       output
             wire
                    Input;
       input
(5)
       reg state[0,1], next_stage [2,3], a(1'600), b(2'601), c(2'610),
      always a (posedge CLK) begin
                                                              d(2'b11);
           case (state)
                a: (1977)
                   Output = 0;
                    if (Input == 1) next-state = C 5
                    else next-state = b;
                 b= 8
                   Output = 15
                    if (Input == 1) next-state = d;
                    else next-state = C;
                 C=
                    Output = 15
                    if (Input == 1) next-state = d;
                    else next_state = 153
                 d=
                    Output = 0;
                    if (Input == 1) next-state = a;
                    else next_state = C;
            endcase
             state = next_state;
```

end

(6)



(7)	D. Horonce	Non-Blocking	Blocking
		同時一起傳值,所	按順序傳值,所以
		以前面傳過來的值	前面傳過來的值會
	Difference	: 不會影響要傳給	影響傳給下一個
		下一個人的值。	的值。
		To o b	Ooto Down
		(a=0) b=1)	(a=0, b=1)
		b <= a;	b = a ;
	Example:	Q <= b;	Q = b 5
		結果 → Q=1.	結果→ Q=0