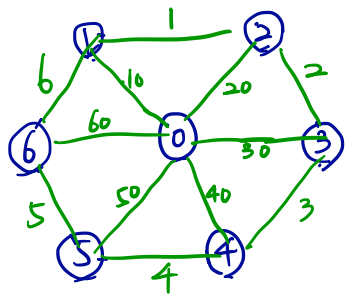


mojo\_top

- board\_sel
- board\_en
- a\_sel
- b\_sel
- alu
- level\_en

register file with en



	10's	1's
button 0:	11111	000000
button 1:	000001	100001
button 2:	000010	000011
button 3:	000100	000110
button 4:	001000	001100
button 5:	010000	011000
button 6:	100000	110000

State.begin S<sub>1</sub>

State.XOR S<sub>2</sub>

State.CMPEQC S<sub>3</sub>

ADDC S<sub>4</sub>

S <sub>N</sub>	S <sub>N+1</sub>	a_sel	b_sel	alu	level_en	board_en	board_sel
S <sub>1</sub>	S <sub>2</sub>	—	—	—	0	1	1
S <sub>2</sub>	S <sub>3</sub>	0	0	XOR	0	1	0
S <sub>3</sub>	allon S <sub>4</sub> : S <sub>2</sub>	0	1	CMPEQC	0	0	—
S <sub>4</sub>	S <sub>2</sub>	1	2	ADDC	1	0	2