FSM state	Game mode	Control mode	Game straight	Game type of straight	Description
0	`GAME_MODE_0	`GAME_CONTROL_SETTING_MODE	`GAME_NO_STRAGHT	`GAME_STRAIGHT_INC	Mode 0 default
1	`GAME_MODE_1	`GAME_CONTROL_SETTING_MODE	`GAME_NO_STRAGHT	`GAME_STRAIGHT_INC	Mode 1 default
2	`GAME_MODE_2	`GAME_CONTROL_SETTING_MODE	`GAME_NO_STRAGHT	`GAME_STRAIGHT_INC	Mode 2 default
3	`GAME_MODE_3	`GAME_CONTROL_SETTING_MODE	`GAME_NO_STRAGHT	`GAME_STRAIGHT_INC	Mode 2 default
4	`GAME_MODE_SPECIAL	`GAME_CONTROL_PLAY_MODE	X	X	Mode special have just two 7 Seg and speed vert fast
5	`GAME_MODE_0	`GAME_CONTROL_SETTING_MODE	`GAME_NO_STRAGHT	X	Mode 0, setting game no straight
6	`GAME_MODE_0	`GAME_CONTROL_SETTING_MODE	`GAME_STRAGHT	X	Mode 0, game straight
7	`GAME_MODE_0	`GAME_CONTROL_SETTING_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_INC	Mode 0, game straight, type of straight is increase
8	`GAME_MODE_0	`GAME_CONTROL_SETTING_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_DEC	Mode 0, game straight, type of straight is decrease
9	`GAME_MODE_0	`GAME_CONTROL_PLAY_MODE	`GAME_NO_STRAGHT	X	Mode 0, game no straight, play mode, now we play
10	`GAME_MODE_0	`GAME_CONTROL_PLAY_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_INC	Mode 0, game straight, type of straight is increase, now we play
11	`GAME_MODE_0	`GAME_CONTROL_PLAY_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_DEC	Mode 0, game straight, type of straight is decrease, now we play
12	`GAME_MODE_1	`GAME_CONTROL_SETTING_MODE	`GAME_NO_STRAGHT	X	Mode 1, setting game no straight
13	`GAME_MODE_1	`GAME_CONTROL_SETTING_MODE	`GAME_STRAGHT	X	Mode 1, game straight
14	`GAME_MODE_1	`GAME_CONTROL_SETTING_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_INC	Mode 1, game straight, type of straight is increase
15	`GAME_MODE_1	`GAME_CONTROL_SETTING_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_DEC	Mode 1, game straight, type of straight is decrease
16	`GAME_MODE_1	`GAME_CONTROL_PLAY_MODE	`GAME_NO_STRAGHT	X	Mode 1, game no straight, play mode, now we play
17	`GAME_MODE_1	`GAME_CONTROL_PLAY_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_INC	Mode 1, game straight, type of straight is increase, now we play
18	`GAME_MODE_1	`GAME_CONTROL_PLAY_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_DEC	Mode 1, game straight, type of straight is decrease, now we play
19	`GAME_MODE_2	`GAME_CONTROL_SETTING_MODE	`GAME_NO_STRAGHT	X	Mode 2, setting game no straight
20	`GAME_MODE_2	`GAME_CONTROL_SETTING_MODE	`GAME_STRAGHT	X	Mode 2, game straight
21	`GAME_MODE_2	`GAME_CONTROL_SETTING_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_INC	Mode 2, game straight, type of straight is increase

22	`GAME_MODE_2	`GAME_CONTROL_SETTING_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_DEC	Mode 2, game straight, type of straight is decrease
23	`GAME_MODE_2	`GAME_CONTROL_PLAY_MODE	`GAME_NO_STRAGHT	X	Mode 2, game no straight, play mode, now we play
24	`GAME_MODE_2	`GAME_CONTROL_PLAY_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_INC	Mode 2, game straight, type of straight is increase, now we play
25	`GAME_MODE_2	`GAME_CONTROL_PLAY_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_DEC	Mode 2, game straight, type of straight is decrease, now we play
26	`GAME_MODE_3	`GAME_CONTROL_SETTING_MODE	`GAME_NO_STRAGHT	X	Mode 3, setting game no straight
27	`GAME_MODE_3	`GAME_CONTROL_SETTING_MODE	`GAME_STRAGHT	X	Mode 3, game straight
28	`GAME_MODE_3	`GAME_CONTROL_SETTING_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_INC	Mode 3, game straight, type of straight is increase
29	`GAME_MODE_3	`GAME_CONTROL_SETTING_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_DEC	Mode 3, game straight, type of straight is decrease
30	`GAME_MODE_3	`GAME_CONTROL_PLAY_MODE	`GAME_NO_STRAGHT	X	Mode 3, game no straight, play mode, now we play
31	`GAME_MODE_3	`GAME_CONTROL_PLAY_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_INC	Mode 3, game straight, type of straight is increase, now we play
32	`GAME_MODE_3	`GAME_CONTROL_PLAY_MODE	`GAME_STRAGHT	`GAME_STRAIGHT_DEC	Mode 3, game straight, type of straight is decrease, now we play

PLAY MODE

Fsm state	Description
33	In mode 3, after press BTN0, generate 1 number
34	State when we do final step for result
35	After have result and result is lose
36	After have result and result is win
4	After have win, press BTN1 "Yes" to play special mode
37	After special mode -> press BTN0 to play
38	After special mode->press BTN0 to play ->press BTN0 to play ->have result
39	After special mode->press BTN0 to play ->press BTN0 to play ->have result->result win special mode
40	After have result and result is win, press BTN2 "No" to not plat special mode
41	State when result is ready

42	After mode 1 press and hold
43	After mode 2 press and hold