0->	1->	delta	theta
001	001	00111111111111111111111111111111	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR
010	010	01000000000000000000000000000000	RERRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR
010	101	01010101010101010101010101010101010	RERERERERERERERERERERERERERERERER
011	011	01111111111111111111111111111111	RERRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR
01	01	01010101010101010101010101010101010	RERERERERERERERERERERERERERERERER
01	10	011111111	RERERERER
01	0	010010101	RERRRRRRR
001	0	001100110	RRRRRRRRR
010	1	0101010101010101010101010101010101010	RERERERERERERERERERERERERERERERER
0001	0	0001110001	RRRRRRRRRR
0110	1	01111111111111	RERRRRRRRRRRR
00001	0	00001111000	RRRRRRRRRRR
01010	1	010101010101010101010101010101	RERERERERERERERERERERER
010	01	010010101010	RERRRRRRRRRR
001	0010	0011100011100	RRRRRRRRRRR
01	010	01010001100	RERERRRRRRR
01	0101	01010101010101010101010101	RERERERERERERERERERERERERE