















Complex counter		
業 A synchronous 3-bit count	er has a mode cor	trol M
\square when M = 0, the counter counts up in the binary sequence		
\square when M = 1, the counter advances through the Gray code sequence		
binary: 000, 001, 010, 011, 100, 101, 110, 111		
Gray: 000, 001, 011, 010, 110, 111, 101, 100		
* Valid I/O behavior (partial)		
)	
Mode Input M	Current State	Next State
0	000	001
0	001	010
1	010	110
1	110	111
1	111	101
0	101	110
0	110	111
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