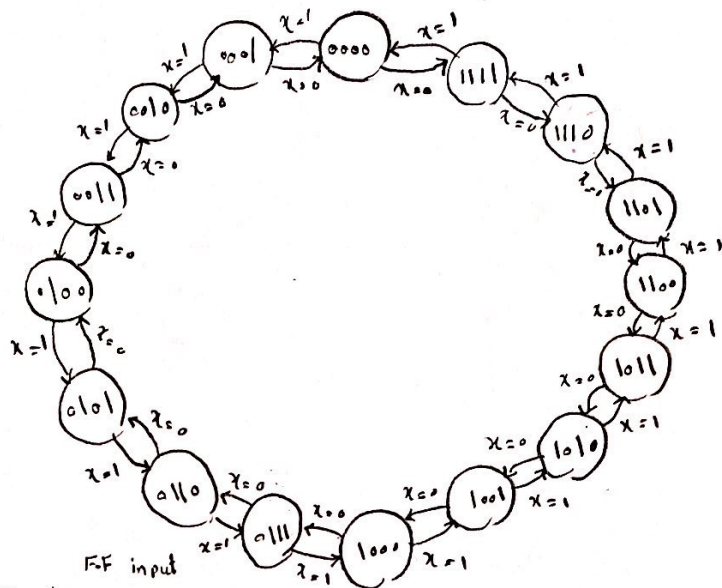


دیاگرام حالت شمارندهی آپ-داون: up-down



PS				input x	NS				FF input			
Q_3	Q_2	Q_1	Q_0		Q_3	Q_2	Q_1	Q_0	D_3	D_2	D_1	D_0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	1	0	0	0	1
0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	1	0	0	0	1	0
0	0	0	1	1	0	0	0	1	0	0	0	1
0	1	0	0	0	0	1	0	0	0	1	0	0
0	1	0	0	1	0	1	0	1	0	1	0	1
0	1	0	1	0	0	1	1	0	0	1	1	0
0	1	0	1	1	0	1	1	1	0	1	1	1
1	0	0	0	0	1	0	0	0	1	0	0	0
1	0	0	0	1	1	0	0	1	1	0	0	1
1	0	1	0	0	1	0	1	0	1	0	1	0
1	0	1	0	1	1	0	1	1	1	0	1	1
1	1	0	0	0	1	1	0	0	1	1	0	0
1	1	0	0	1	1	1	0	1	1	1	0	1
1	1	0	1	0	1	1	1	0	1	1	1	0
1	1	0	1	1	1	1	1	1	1	1	1	1
1	1	1	0	0	0	0	0	0	0	0	0	0

جدول تبدیل

د	ق	م
0	0	0
1	1	1

