Digital Electronics and Computer Organization

Digital Design

Lecture 28: Sequential Multiplier

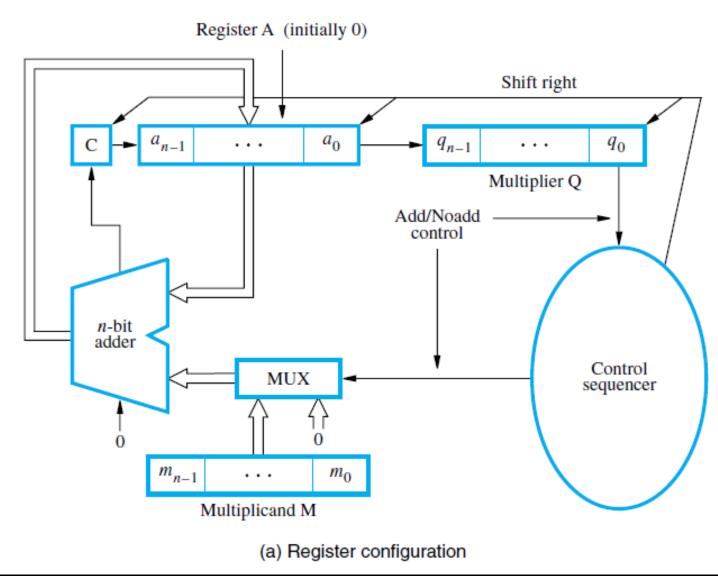




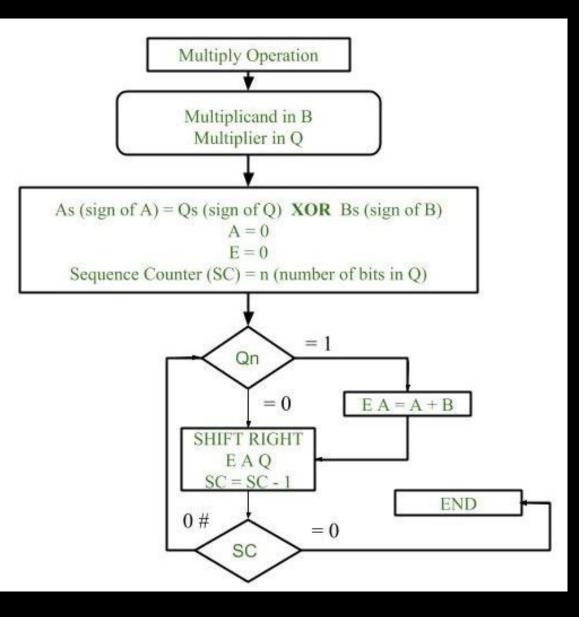


			1	0	0	0	
		х	1	0	0	1	
			1	0	0	0	
		0	0	0	0		
	0	0	0	0			
1	0	0	0				
1	0	0	1	0	0	0	











3x5 Μ Α Q **Initial Condition** Clk (Load) Clk↓ (Shift Right)



5x6						
	Μ	Α	Q			
Initial Condition	0101	00000	0110			
Clk 🕇 (Load)	0101	00000	0110	1		
Clk↓(Shift Right)	0101	00000	0011			
Clk 🕇 (Load)	0101	00101	0011	2		
Clk↓ (Shift Right)	0101	00010	1001			
Clk (Load)	0101	00111	1001	3		
Clk	0101	00011	1100			
Clk 🕇 (Load)	0101	00011	1100	4		
Clk↓(Shift Right)	0101	00001	1110			



Thank You