Decode		Execute			Write		Cycle
I1	I2						1
I3	I4	I1	I2				2
I3	I4	I1					3
	I4			I3	I1	I2	4
I5	I6			I4			5
	I6		I5		I3	I4	6
			I6				7
					I5	I6	8

(a) In-order issue and in-order completion

Decode		Execute			Write		Cycle
I1	I2						1
I3	I4	I1	I2				2
	I4	I1		I3	I2		3
I5	I6			I4	I1	I3	4
	I6		I5		I4		5
			I6		I5		6
					I6		7

(b) In-order issue and out-of-order completion

Decode		Window	Execute			Write		Cycle
I1	I2							1
I3	I4	*I1,I2*	I1	I2				2
I5	I6	*I3,I4*	I1		I3	I2		3
		I4,I5,I6		I6	I4	I1	I3	4
		I5		I5		I4	I6	5
						I5		6

(c) Out-of-order issue and out-of-order completion

Figure 13.4 Superscalar Instruction Issue and Completion Policies