



















## 5.2.1 Java Multithreading Case Study, Part II: A Producer/Consumer Relationship in Java

Figure 5.3 Consumer class represents the consumer thread in a producer/consumer relationship. (1 of 3)

















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	5.4.1 Dekker's Algorithm
	Figure 5.10 Dekker's Algorithm for mutual exclusion. (2 of 4)
17	while ( t2WantsToEnter )
1.8	{
19	if ( favoredThread $== 2$ )
20	{
21	t1WantsToEnter = false;
22	<pre>while ( favoredThread == 2 ); // busy wait</pre>
23	tlWantsToEnter = true;
24	} // end if
25	
26	} // end while
27	
28	// critical section code
29	
30	favoredThread = 2;
31	tlWantsToEnter = false;
32	
33	<pre>// code outside critical section</pre>
34 35	} // end outer while
35	3 // end outer while
	} // end Thread T1















## 5.4.3 N-Thread Mutual Exclusion: Lamport's Bakery Algorithm

Figure 5.12 Lamport's Bakery Algorithm. (1 of 3)









































