

Imagine that we've instrumented the "Bad Drop" example to print out some thread IDs when methods are invoked. Thread ids 1 & 2 are Producers and 3&4 are consumers.

Form a group of four. Each of you should take on the role of one of the four threads. Using the provided materials, work through the program's execution to produced the observed execution sequence below.

Explain the program's behavior

[117] java BadProducerConsumerExample

1:put message : Mares eat oats

3:MESSAGE RECEIVED: Mares eat oats

2:put message : Mares eat oats

1:put message : Does eat oats

2:put message : Does eat oats

3:MESSAGE RECEIVED: Does eat oats

2:put message : Little lambs eat ivy

1:put message : Little lambs eat ivy

2:put message : A kid will eat ivy too

4:MESSAGE RECEIVED: A kid will eat ivy too

2:put message : DONE

1:put message : A kid will eat ivy too

3:MESSAGE RECEIVED: A kid will eat ivy too

1:put message : DONE