



FIGURE 10.14 Why dequeuers must help advance tail in line 45 of Fig. 10.12. Consider the scenario in which a thread enqueueing node b has redirected a 's next field to b , but has yet to redirect tail from a to b . If another thread starts dequeuing, it will read b 's value and redirect head from a to b , effectively removing node a while tail still refers to it. To avoid this problem, the dequeuing thread must help advance tail from a to b before redirecting head.