



**FIGURE 18.16** The TourBarrier class: information flow. Nodes are paired statically in active/passive pairs. Threads start at the leaves. Each thread in an active node waits for its passive partner to show up, then it proceeds up the tree. Each passive thread waits for its active partner for notification of completion. Once an active thread reaches the root, all threads have arrived, and notifications flow down the tree in the reverse order.