



FIGURE 5.13 Two possible cases of (4,10)-assignment solving consensus for four threads. In Case 1, only threads *B* and *D* show up. *B* is the first to assign and wins the consensus. In Case 2, there are three threads, *A*, *B*, and *D*, and as before, *B* wins by assigning first and *D* assigns last. The order among the threads can be determined by looking at the pairwise order among any two. Because the assignments are atomic, these individual orders are always consistent and define the total order among the calls.