int in[1:n] = ([n] 0), last[1:n] = ([n] 0);

process CS[i = 1 to n] {
    while (true) {
        for [j = 1 to n] { /* entry protocol */
            /* remember process i is in stage j and is last */
            last[j] = i; in[i] = j;
            for [k = 1 to n st i != k] {
                /* wait if process k is in higher numbered stage 
                 and process i was the last to enter stage j */
                while (in[k] >= in[i] and last[j] == i) skip;
            }
        }
        critical section;
        in[i] = 0; /* exit protocol */
        noncritical section;
    }
}

Figure 3.7  The n-process tie-breaker algorithm.