

```

leaf node L:  arrive[L] = 1;
              <await (continue[L] == 1);>
              continue[L] = 0;

interior node I: <await (arrive[left] == 1);>
                 arrive[left] = 0;
                 <await (arrive[right] == 1);>
                 arrive[right] = 0;
                 arrive[I] = 1;
                 <await (continue[I] == 1);>
                 continue[I] = 0;
                 continue[left] = 1; continue[right] = 1;

root node R:  <await (arrive[left] == 1);>
              arrive[left] = 0;
              <await (arrive[right] == 1);>
              arrive[right] = 0;
              continue[left] = 1; continue[right] = 1;

```

Figure 3.14 Barrier synchronization using a combining tree.