

```
1  static int cutoff;
2  int fib_recursive(int n) {
3      #pragma omp critical
4      cutoff++;
5      int i, j;
6      if (n == 0 || n == 1)
7          return (n);
8      #pragma omp task untied default(shared) \
9          final(cutoff <= DEPTH_CUTOFF) mergeable
10     i = fib_recursive(n - 1);
11     #pragma omp task untied default(shared) \
12         final(cutoff <= DEPTH_CUTOFF) mergeable
13     j = fib_recursive(n - 2);
14     #pragma omp critical
15     cutoff--;
16     #pragma omp taskwait
17     return (i + j);
18 }
```