

```
1  static int taskminer_depth_cutoff;
2  long long fib (int n) {
3      taskminer_depth_cutoff++;
4      long long x, y;
5      if (n < 2) return n;
6      #pragma omp task untied default(shared) \
7          if(taskminer_depth_cutoff < DEPTH_CUTOFF)
8      x = fib(n - 1);
9      #pragma omp task untied default(shared) \
10         if(taskminer_depth_cutoff < DEPTH_CUTOFF)
11      y = fib(n - 2);
12      #pragma omp taskwait
13      taskminer_depth_cutoff--;
14      return x + y;
15 }
```