```c
1  long long fib (int n) {
2    static int taskminer_depth_cutoff;
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 }
```