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