

```
1 struct LINE {char* line; size_t size;};
2 int str_contains_pattern(char* str, char* pattern);
3 char* copy_str(char* str);
4 void book_filter(struct LINE** bk_in,
5                 char* pattern, char** bk_out, int size) {
6     #pragma omp parallel
7     #pragma omp single
8     for (int i = 0; i < size; i++) {
9         char* line = bk_in[i]->line;
10        #pragma omp task depend(in:line, pattern)
11        if (str_contains_pattern(line, pattern)) {
12            #pragma omp task depend(in:line)
13            bk_out[i] = copy_str(line);
14        }
15    }
16 }
```