

```
1 def minetasks(PROG):
2     CFG = ControlFlowGraph(PROG)
3     PDG = ProgramDependenceGraph(PROG)
4     HELICES = findHelices(PDG)
5     TASKREGIONS = []
6     for h in HELICES:
7         r = CFG.findMinimalCoveringRegion(h)
8         TASKREGIONS.append(r)
9     for r in TASKREGIONS:
10         r.expand()
11     NEW_PROG = annotate(PROG, TASKREGIONS)
12     return NEW_PROG
```