

1 **def** minetasks(*Prog*):

2 *CFG* = ControlFlowGraph(*Prog*)

3 *PDG* = ProgramDependenceGraph(*Prog*)

4 *Ranges* = symbolicRangeAnalysis(*CFG*)

5 *Vanes* = findVanes(*PDG*)

6 *Tasks* = []

7 **for** *v* **in** *Vanes*:

8 *region* = *CFG*.findMinimalCoveringRegion(*v*, *Ranges*)

9 *region*.expand()

10 *Tasks*.append(*region*)

11 *Costs* = profitabilityAnalysis(*Tasks*, *Ranges*)

12 *Privs* = privatizationAnalysis(*Tasks*, *PDG*)

13 *Prog*.annotate(*Tasks*, *Costs*, *Ranges*, *Privs*)

Section 3.1

3.2

3.3

3.4

3.5 & 3.6