

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

2 *CFG* = ControlFlowGraph(*Prog*)

3 *PDG* = ProgramDependenceGraph(*Prog*)

4 *Ranges* = symbolicRangeAnalysis(*CFG*)

5 *Vanes* = findVanes(*PDG*)

6 *Costs* = profitabilityAnalysis(*Tasks*, *Ranges*, *CostModel*)

7 *Tasks* = []

8 **for** *v* **in** *Vanes*:

9 *region* = *v.expand*(*Costs*)

10 *Tasks.append*(*region*)

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

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

3.1

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