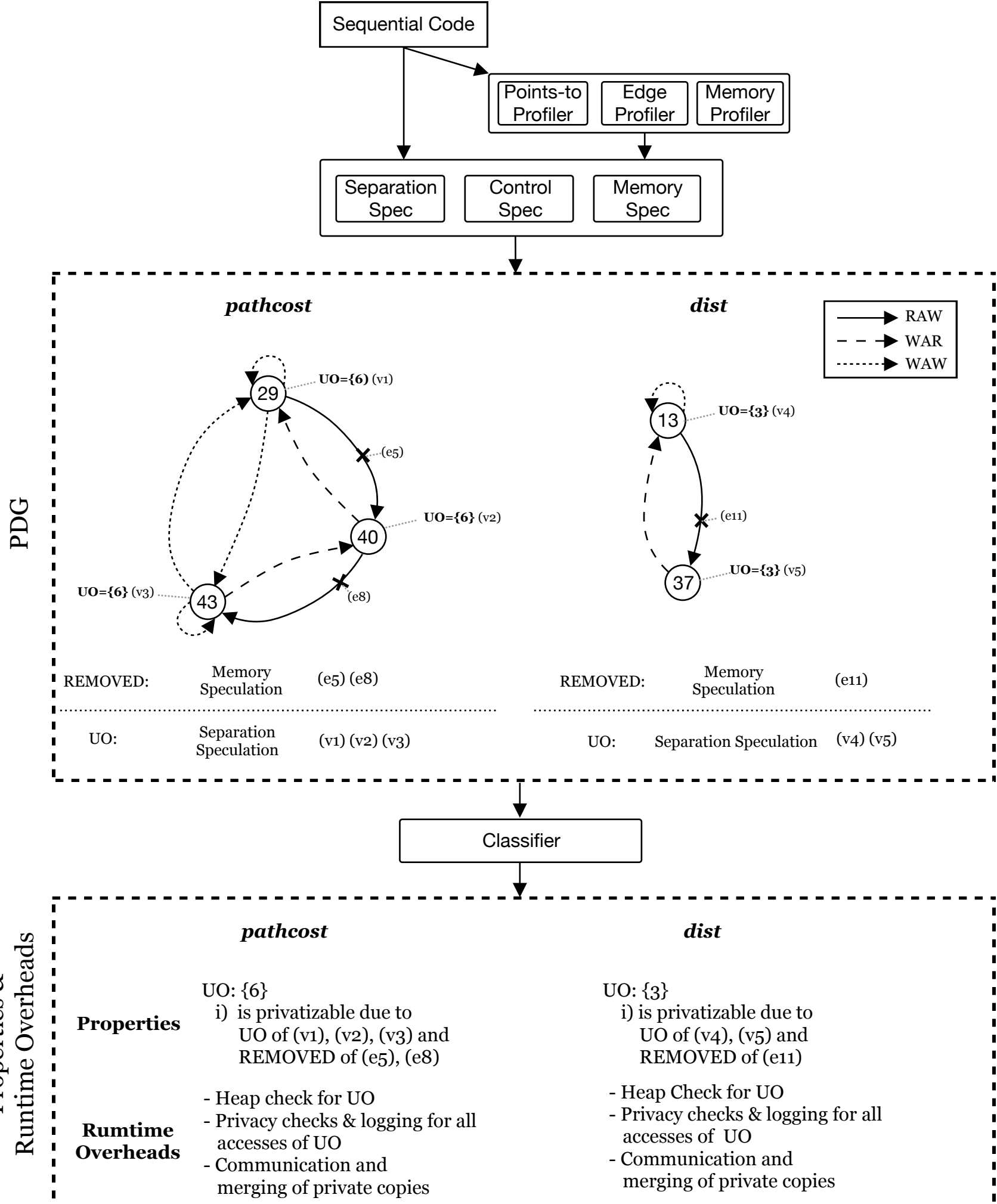
Sequential Code
Points-to Profiler
Edge Profiler
Memory Profiler
Separation Spec
Control Spec
Memory Spec
PDG
pathcost
dist
RAW
WAR
WAW
29
40
43
13
37
UO={6} (v1)
(e5)
UO={6} (v2)
UO={6} (v3)
(e8)
UO={3} (v4)
(e11)
UO={3} (v5)
REMOVED: Memory Speculation (e5) (e8)
UO: Separation Speculation (v1) (v2) (v3)
REMOVED: Memory Speculation (e11)
UO: Separation Speculation (v4) (v5)
Classifier
Properties & Runtime Overheads
pathcost
dist
Properties
UO: {6}
i) is privatizable due to UO of (v1), (v2), (v3) and REMOVED of (e5), (e8)
UO: {3}
i) is privatizable due to UO of (v4), (v5) and REMOVED of (e11)
Rumtime Overheads
- Heap check for UO
- Privacy checks & logging for all accesses of UO
- Communication and merging of private copies
- Heap Check for UO
- Privacy checks & logging for all accesses of UO
- Communication and merging of private copies