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a)

Property space:

Set: $V \times E \times E$

Meet operation: ∪

b)

 $\forall l \in \operatorname{nodes}, \operatorname{out}(l) = \operatorname{In}(l) \setminus \{< x, v > | \forall x \in write(l) \land x \in read(v)\} \cup \{< y, l > | \forall y \in read(l)\}$ The input and output of each node, u, is defined as a set of tuples S = < x, v >. The output S of a node u means that $\forall < x, v > \in S, < x, v > \in UEU(u)$.

c)

- Backward Analysis
- Initial nodes: all nodes before return
- Before work-list algorithm starts: all nodes are given input set ∅