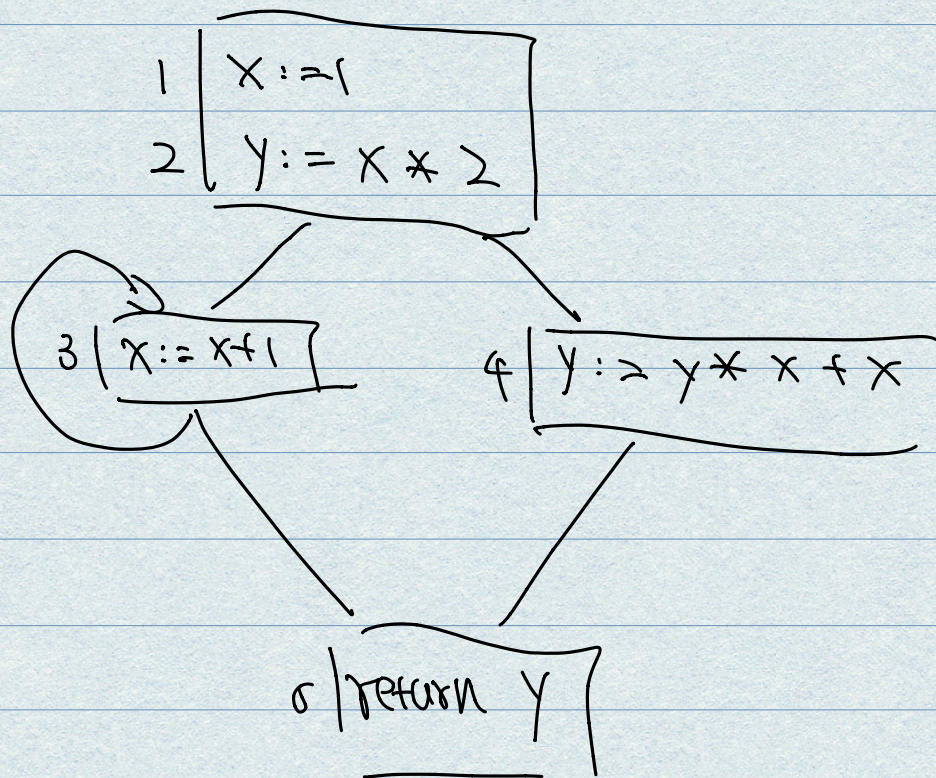


Quiz #3 Liveness / Recursive-Descent Parser.

Liveness Analysis

- Dead code elimination

- GC ↓



$\begin{cases} L(S, ?, \text{in}) & \text{Looks at whether ? is used in } S \\ L(S, ?, \text{out}) & \text{Looks at stmts reached by } S. \\ & \text{and } L(S, ? \text{ in}) \end{cases}$

$\Rightarrow \begin{cases} L(3, X, \text{out}) = \text{true} \\ L(4, X, \text{out}) = \text{true} \\ L(5, X, \text{in}) = \text{true} \end{cases}$

