

















Example 1: Compiler Analysis	
<pre>rule ra if (z>10); x <= x+1; endrule</pre>	RS(ra) = {z, x} WS(ra) = {x} RS(rb) = {z, y} WS(rb) = {y}
rule rb if (z>20); y <= y+2; endrule Rules ra and rb can be sc the one-rule-at-a-time-sc	$RS(ra) \cap WS(rb) = \varphi$ $RS(rb) \cap WS(ra) = \varphi$ $WS(ra) \cap WS(rb) = \varphi$ $MS(ra) \cap WS(rb) = \varphi$ heduled together without violating emantics
	$\begin{array}{l} x_{0}+1,y_{0},30\} \Rightarrow_{rb} & \{x_{0}+1,y_{0}+2,30\} \\ x_{0},y_{0}+2,30\} \Rightarrow_{ra} & \{x_{0}+1,y_{0}+2,30\} \\ \{x_{0}+1,y_{0}+2,30\} \\ x_{0}+1,y_{0},15\} \Rightarrow_{rb} & \{x_{0}+1,y_{0},15\} \\ x_{0},y_{0},15\} \Rightarrow_{ra} & \{x_{0}+1,y_{0},15\} \\ \{x_{0}+1,y_{0},15\} \end{array}$
September 23, 2013 http://www.september.com/s	p://csg.csail.mit.edu/6.s195





































