

Julia Nelson CS571 Q1

$$x = y + 1$$

critical section

$$y = x + 1$$

critical section

$$z = y + x$$

critical section

P1,

$$\begin{pmatrix} P3, Q3, 2 \\ P3, R3, 1 \\ Q3, R3, 3 \end{pmatrix}$$

$$* (P3, 0) \rightarrow (Q3, 1) \rightarrow (R3, 1)$$

~~$(P3, 0) \rightarrow (P3, 1) \rightarrow (Q3, 1)$~~

$$(P3, 0) \rightarrow (\text{del}, 1) \rightarrow (Q3, 1) \rightarrow (\text{del}, 2)$$

$$\begin{matrix} & (R3, 1, 2) \\ & \swarrow \\ (-, 3) \end{matrix}$$