Deadlock Detection

Several Instances of a Resource Type

Current allocation matrix

$$C = \left[\begin{array}{cccc} 0 & 0 & 1 & 0 \\ 2 & 0 & 0 & 1 \\ 0 & 1 & 2 & 0 \end{array} \right]$$

$$R = \left[\begin{array}{cccc} 2 & 0 & 0 & 1 \\ 1 & 0 & 1 & 0 \\ 2 & 1 & 0 & 0 \end{array} \right]$$