Deadlock Detection

Several Instances of a Resource Type

(ape dives scamers Roms

Current allocation matrix

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

Tape dive conners pons

$$A = (2 \ 1 \ 0 \ 0)$$
 $A \ R$

$$(2\ 1\ 0\ 0) \ge R_3, (2\ 1\ 0\ 0)$$

 $(2\ 2\ 2\ 0) \ge R_2, (1\ 0\ 1\ 0)$

$$(4\ 2\ 2\ 1) \ge R_1, (2\ 0\ 0\ 1)$$

Request matrix

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