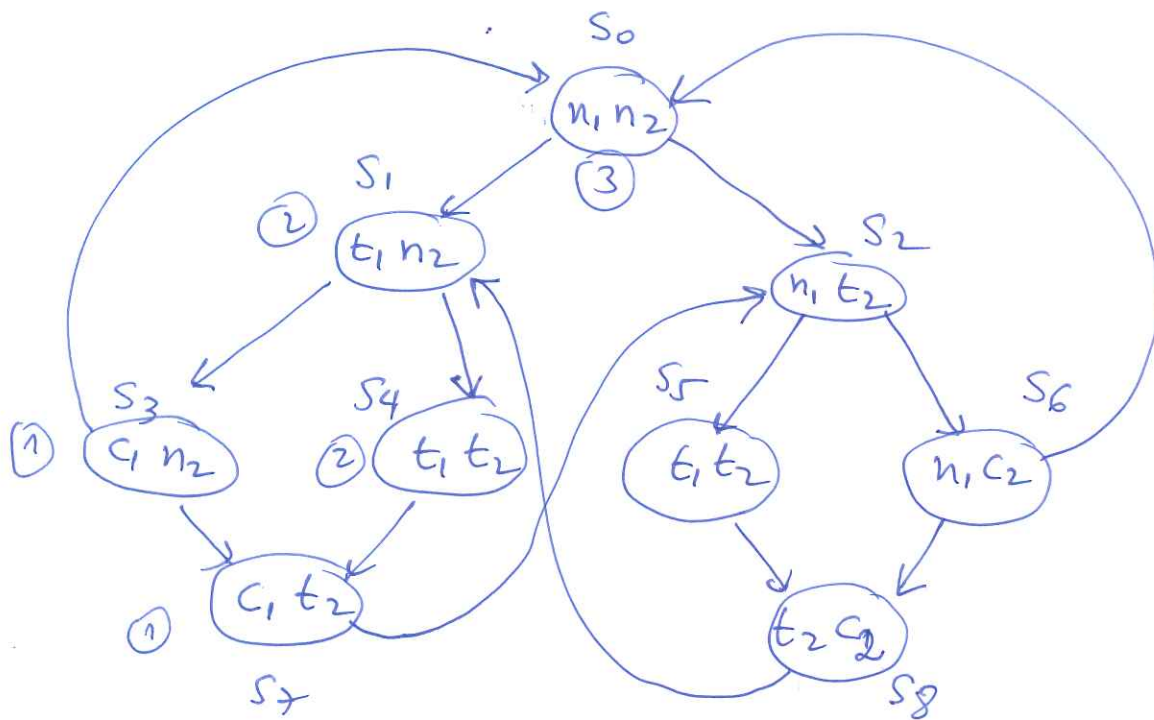


Mutual exclusion protocol

Processes A, B

In a non-critical state n
 try to enter critical state t
 In a critical state c

A	B
n_1	n_2
t_1	t_2
c_1	c_2



Check whether $E(\neg c_2 \cup c_1)$

$T: \text{sat}(c_1) = \{S_3, S_7\}$ $\text{sat}(F) := \{S_3, S_7\}$

Let $S_3 \in T$ (remove it from T)

$\{t \mid t \rightarrow S_3\} = \{S_1\} \notin \text{sat}(F)$ add it to $\text{sat}(F)$ to T

Let $S_7 \in T$.

$\{t \mid t \rightarrow S_7\} = \{S_3, S_4\}$ add S_4 to $\text{sat}(F)$ to T.
 \cap \notin $\text{sat}(F)$

S_8 does not sat. $\neg c_2$! do not add.

$T = \{S_1, S_4\}$

S_1
 S_4

$\{t \mid t \rightarrow S_1\} = \{S_0\} \notin \text{sat}(F)$ add it - also to T
 $\{t \mid t \rightarrow S_4\} = \{S_1\}$ already in $\text{sat}(F)$

No add. states labelled.