

## Answer

One example is a version of the big-step bakery algorithm in which the *enter* step is replaced by one that sets  $num[self]$  to one plus the maximum of all  $num[p]$  with  $p$  in  $Procs$ , where the invariant is

$$\forall p \in Procs : num[p] \in Nat$$

The invariant will be violated for any model with a finite set substituted for  $Nat$ .

[CLOSE](#)