

```

procedure removeCTI(model  $M$ ,  $s : S$ ,  $i : \mathbb{N}$ )
    if  $S_0 \wedge s$  is SAT then abort “ $M \not\models \mathbf{AG} p$ ”;
    while  $F_i \wedge R \wedge \neg s \wedge s'$  is SAT do
        for  $l$  from 0 to  $i$ 
             $F_l := F_l \wedge \neg s$ 
        end for
         $t :=$  predecessor of  $s$ , extracted from SAT witness
        removeCTI( $M, t, i - 1$ )
    end while
end procedure

```