

Parallel NDFS: share the red color (first try)

s.color[i] : white \rightarrow cyan \rightarrow blue
s.pink[i], s.red : Boolean

procedure DFSblue(s,i) pruned by shared red color
 s.color[i] := cyan
 for all t \in post(s) **do**
 if t.color[i]=white and \neg t.red **then** DFSblue(t,i)
 if s \in Acc **then** DFSred(s,i)
 s.color[i] := blue

procedure DFSred(s,i) pruned by shared red color
 s.pink[i] := true
 for all t \in post(s) **do**
 if t.color[i]=cyan **then** ExitCycle
 if \neg t.pink[i] and \neg t.red **then** DFSred(t,i)
 s.red := true