

19-1

$\text{CALL} \times \hat{P}_{\text{enc}} \times \hat{T}_{\text{ime}} \rightarrow \hat{c}_{\text{onc}}$

$\hat{Z} \leftarrow \perp$ seen

$\hat{S}_{\text{todo}} \leftarrow \{ \hat{I}(\text{pr}) \}$ queue

$\hat{c}^* \leftarrow \perp$ widen

SEARCH: if $\hat{S}_{\text{todo}} = \emptyset$
stop return \hat{c}^*

remove $st \in \hat{S}_{\text{todo}}$

if $st \in \text{Eval}$

$(\text{call}, \hat{B}, \hat{c}, \hat{f}) = st$

$\hat{c}_{\text{seen}} \leftarrow \hat{Z}[\text{call}, \hat{B}, \hat{f}]$

if $\hat{c} \in \hat{c}_{\text{seen}}$

goto SEARCH

$\hat{c}' \leftarrow \hat{c} \cup \hat{c}^*$

$\hat{c}^* \leftarrow \hat{c}'$

$\hat{Z}[\text{call}, \hat{B}, \hat{f}] \leftarrow \hat{c}'$

$st \leftarrow (\text{call}, \hat{B}, \hat{c}', \hat{f})$

$\hat{S}_{\text{next}} \leftarrow \{ st' : st \Rightarrow st' \}$

$\hat{S}_{\text{todo}} \leftarrow \hat{S}_{\text{todo}} \cup \hat{S}_{\text{next}}$

goto SEARCH