$\texttt{isconverged}(\widetilde{C}^{(\cdot)}) = \begin{cases} \chi < \chi_{\text{patch}} \wedge \varepsilon_{\text{contr}} < \varepsilon & \texttt{true} \\ \text{otherwise} & \texttt{fals} \end{cases}$ false  $\sigma_1'' \quad \sigma_2''$  $\begin{array}{c} \widetilde{C}_{\sigma\sigma''} \\ \sigma_1'' & \sigma_2'' & \sigma_{\mathcal{L}}'' \\ \hline \text{contract} & & & \\ \bullet & & & \\ \hline & \sigma_1 & \sigma_2 & \cdots \\ \hline & & & \\ \hline \end{array}$  $\texttt{isconverged}(\widetilde{C}) \xrightarrow{\texttt{true}} \ \widetilde{C}_{\sigma\sigma''} \to \texttt{results}$  $\forall p_{\bar{\ell}} \in \{1, \dots, d_{\bar{\ell}}\}, \ \forall p_{\bar{\ell}}^{"} \in \{1, \dots, d_{\bar{\ell}}^{"}\}: \quad \longleftarrow \quad \bar{\ell} \to \bar{\ell} + 1$  $\sigma_1'' \quad \sigma_2'' \qquad \sigma_{\bar{\ell}}''$  $\widetilde{C}^{p_1,p_1^{\prime\prime},...,p_{ar{\ell}},p_{ar{\ell}^{\prime\prime}}^{\prime\prime}}_{m{\sigma}m{\sigma}^{\prime\prime}} 
ightarrow exttt{tasks}$  $\widetilde{C}_{\boldsymbol{\sigma}\boldsymbol{\sigma}^{\prime\prime}}^{p_1,p_1^{\prime\prime},\ldots,p_{\bar{\ell}},p_{\bar{\ell}}^{\prime\prime}}$  $\sigma_{\mathcal{L}}$  $\widetilde{C}^{p_1,p_1'',...,p_{ar{\ell}},p_{ar{\ell}}''}_{ ext{--''}} o ext{results}$ 

a)