

$$\textit{head-fragment-ph} \Rightarrow \left[ \begin{array}{l} \text{CATEGORY} \left[ \text{HEAD} \left[ \text{CLUSTER} \left\langle \left[ \text{HEAD} \boxed{\text{H}_1} \right], \dots, \left[ \text{HEAD} \boxed{\text{H}_n} \right] \right\rangle \right] \right] \\ \text{CONTENT} \quad \textit{message} \\ \text{DTRS} \left\langle \left[ \begin{array}{l} \textit{cluster-ph} \\ \text{HEAD} \left[ \text{CLUSTER} \left\langle \left[ \text{HEAD} \boxed{\text{H}_1} \right], \dots, \left[ \text{HEAD} \boxed{\text{H}_n} \right] \right\rangle \right] \right] \right\rangle \end{array} \right]$$