

*cluster-ph*  $\Rightarrow$  *non-headed-ph* &

$$\left[ \begin{array}{l} \text{HEAD} \\ \text{N-HD-DTRS} \end{array} \left[ \begin{array}{l} \text{head} \\ \text{CLUSTER } nelist(synsem) \langle \boxed{1}, \dots, \boxed{n} \rangle \\ \langle [\text{SYNSEM } \boxed{1}], \dots, [\text{SYNSEM } \boxed{n}] \rangle \end{array} \right] \right]$$