$\begin{array}{lll} \text{Input: p. } 47 \rightarrow \text{Output: } _{e}xtract_{p}age:np. \ 47 \\ \text{Input: pp. } 123\text{-}456 \rightarrow \text{Output: } _{e}xtract_{p}age:npp.123-456 \\ \text{Input: pp. } 123\text{--}456 \rightarrow \text{Output: } _{e}xtract_{p}age:npp.123-456 \end{array}$