$$\begin{array}{c} O \\ n\,H-C-H \xrightarrow{-\underline{c}\$\#} & - \left[-CH_2-O \right]_n \\ n\,CH_2 = CH_2 + n\,CH_2 = CH-CH_3 \xrightarrow{-\underline{c}\$\#} & - \left[-CH_2-CH_2 - CH_2 - CH_2 \right]_n \\ \end{array}$$