Examples with the  $\csin {n}{derivations}$  command:

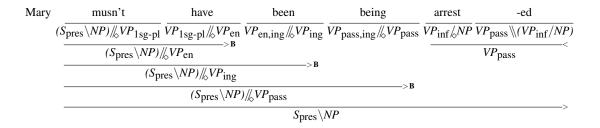
$$\frac{\text{John}}{S/(S\backslash NP)} \frac{\text{likes}}{(S\backslash NP_{3s})/NP} \frac{\text{Mary}}{(S\backslash NP)\backslash ((S\backslash NP)/NP)} \\ : \lambda p. p. john' : \lambda x \lambda y. like' xy : \lambda p. pmary' \\ \hline \frac{S\backslash NP : \lambda y. like' mary' y}{S : like' mary' john'} >$$

$$\frac{\text{John}}{S/(S\backslash NP)} \frac{\text{likes}}{(S\backslash NP_{3s})/NP} \frac{\text{Mary}}{S\backslash (S/NP)} : \lambda p.p \ john' : \lambda x \lambda y.like' xy : \lambda p.p \ mary'}{\frac{S/NP : \lambda x.like' x john'}{S : like' mary' john'}}$$

$$\frac{\text{dismiss}}{VP_{\text{inf}}/NP: \lambda x \lambda y. dismiss' xy} \frac{-\text{ed}}{((S \backslash NP_{\text{agr}})/NP) \backslash (VP_{\text{inf}}/NP): \lambda p \lambda x \lambda y. past'(Pxy)}}{(S \backslash NP_{\text{agr}})/NP: \lambda x \lambda y. past'(dismiss' xy)}$$

$$\frac{\text{Mary}}{(S_{\overline{\text{pres}}} \backslash NP)/VP_{1sg\text{-pl}}} \frac{\text{have}}{VP_{1sg\text{-pl}}/VP_{\text{en}}} \frac{\text{been}}{VP_{\text{en,ing}}/VP_{\text{ing}}} \frac{\text{being}}{VP_{\text{pass,ing}}/VP_{\text{pass}}} \frac{\text{arrest}}{VP_{\overline{\text{inf}}} \backslash NP} \frac{\text{-ed}}{VP_{\overline{\text{pass}}} \backslash (VP_{\overline{\text{inf}}}/NP)} \\ \frac{(S_{\overline{\text{pres}}} \backslash NP)/VP_{\text{en}}}{(S_{\overline{\text{pres}}} \backslash NP)/VP_{\overline{\text{ing}}}} > B \\ \frac{(S_{\overline{\text{pres}}} \backslash NP)/VP_{\overline{\text{pass}}}}{S_{\overline{\text{pres}}} \backslash NP} > B$$

Example above using \begin{ccg}{n}{data}{derivations}\end{ccg}. This environment puts in the first lines itself. Based on \cgex. No gloss line on top.



Another example, to show glossing in the beginning and the end.

It uses \begin{ccgg}{n}{data}{gloss}{derivations}\end{ccgg}.

$$\frac{\underset{\text{give-caus}}{\text{ver-dir}} \frac{-t}{-\text{caus}}}{VP_{\text{inf}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{acc}}} \frac{(S \backslash NP_{\text{nom}} \backslash NP_{\text{case}}) \backslash VP_{\text{inf}}}{(S \backslash NP_{\text{nom}} \backslash NP_{\text{case}}) \backslash VP_{\text{inf}}} \frac{-\text{ti.}}{-\text{past}}}{\frac{\cdot NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{case}}}{(Px)y}}{\frac{\cdot NP_{\text{nom}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{acc}}}{(S \backslash NP_{\text{nom}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{acc}}}} \frac{\cdot NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}}}{(S \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{acc}})}} \frac{\cdot NP_{\text{dat}} \backslash NP_{\text{dat}}}{(S \backslash NP_{\text{nom}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}})} \frac{\cdot NP_{\text{dat}} \backslash NP_{\text{dat}}}{(S \backslash NP_{\text{nom}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}})} \frac{\cdot NP_{\text{dat}} \backslash NP_{\text{dat}}}{(S \backslash NP_{\text{nom}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}})} \frac{\cdot NP_{\text{dat}} \backslash NP_{\text{dat}}}{(S \backslash NP_{\text{nom}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}})} \frac{\cdot NP_{\text{dat}} \backslash NP_{\text{dat}}}{(S \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}})} \frac{\cdot NP_{\text{dat}} \backslash NP_{\text{dat}}}{(S \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}})} \frac{\cdot NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}}}{(S \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}})} \frac{\cdot NP_{\text{dat}} \backslash NP_{\text{dat}} \backslash NP_{\text{dat}}}{(S \backslash NP_{\text{dat}} / NP_{\text{d$$