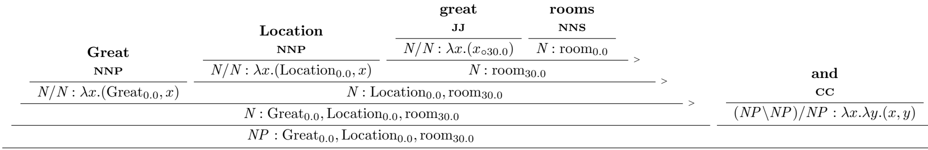
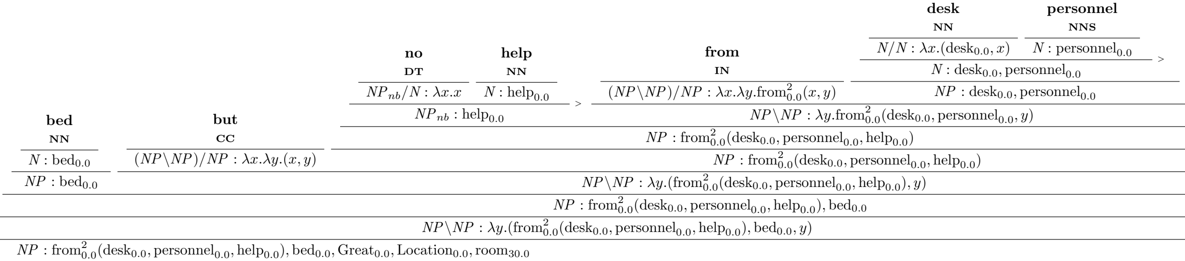

great
JJ
$N/N : \lambda x.(x_{\circ 30.0})$
rooms
NNS
$N : \text{room}_{0.0}$
$>$
Location
NNP
$N/N : \lambda x.(\text{Location}_{0.0}, x)$
$N : \text{room}_{30.0}$
$>$
Great
NNP
$N/N : \lambda x.(\text{Great}_{0.0}, x)$
$N : \text{Location}_{0.0}, \text{room}_{30.0}$
$>$
$N : \text{Great}_{0.0}, \text{Location}_{0.0}, \text{room}_{30.0}$
$NP : \text{Great}_{0.0}, \text{Location}_{0.0}, \text{room}_{30.0}$
and
CC
$(NP\backslash NP)/NP : \lambda x.\lambda y.(x, y)$



desk
NN
$N/N : \lambda x.(\text{desk}_{0.0}, x)$
personnel
NNS
$N : \text{personnel}_{0.0}$
>
$N : \text{desk}_{0.0}, \text{personnel}_{0.0}$
no
DT
$NP_{nb}/N : \lambda x.x$
help
NN
$N : \text{help}_{0.0}$
>
$NP_{nb} : \text{help}_{0.0}$
from
IN
$(NP\backslash NP)/NP : \lambda x.\lambda y.\text{from}^2_{0.0}(x, y)$
$NP : \text{desk}_{0.0}, \text{personnel}_{0.0}$
$NP\backslash NP : \lambda y.\text{from}^2_{0.0}(\text{desk}_{0.0}, \text{personnel}_{0.0}, y)$
$NP : \text{from}^2_{0.0}(\text{desk}_{0.0}, \text{personnel}_{0.0}, \text{help}_{0.0})$
bed
NN
$N : \text{bed}_{0.0}$
$NP : \text{bed}_{0.0}$
but
CC
$(NP\backslash NP)/NP : \lambda x.\lambda y.(x, y)$
$NP : \text{from}^2_{0.0}(\text{desk}_{0.0}, \text{personnel}_{0.0}, \text{help}_{0.0})$
$NP\backslash NP : \lambda y.(\text{from}^2_{0.0}(\text{desk}_{0.0}, \text{personnel}_{0.0}, \text{help}_{0.0}), y)$
$NP : \text{from}^2_{0.0}(\text{desk}_{0.0}, \text{personnel}_{0.0}, \text{help}_{0.0}), \text{bed}_{0.0}$
$NP\backslash NP : \lambda y.(\text{from}^2_{0.0}(\text{desk}_{0.0}, \text{personnel}_{0.0}, \text{help}_{0.0}), \text{bed}_{0.0}, y)$
$NP : \text{from}^2_{0.0}(\text{desk}_{0.0}, \text{personnel}_{0.0}, \text{help}_{0.0}), \text{bed}_{0.0}, \text{Great}_{0.0}, \text{Location}_{0.0}, \text{room}_{30.0}$

$>$ $\qquad \vdots$

$<$ $\qquad \dfrac{}{NP\backslash NP : \lambda x.x}$

$<$

$>$

$<$

$>$

$<$