The DT $NP_{nb}/N : \lambda x.x$ — **rooms** NNS $N : \mathrm{room}_{0.0}$ — **are** VBP $(S_{dcl}\backslash NP)/NP : \lambda x.\lambda y.\mathrm{be}^{0}_{0.0}(x, y)$ — **not** RB $(S_X\backslash NP)\backslash(S_X\backslash NP) : \lambda x.(x_{\bullet 1.0})$ — **all** DT $NP : \mathrm{all}_{0.0}$ — **that** IN $(S_{adj}\backslash NP)/(S_{adj}\backslash NP) : \lambda x.\lambda y.\mathrm{that}^{0}_{0.0}(x\ y)$ — **big** JJ $S_{adj}\backslash NP : \lambda x.(x_{\circ 0.0})$ — **.** $.$ $S_{dcl}\backslash S_{dcl} : \lambda x.x$

$$S_{adj}\backslash NP : \lambda y.\mathrm{that}^{0}_{0.0}(y_{\circ 0.0}) \quad >$$

$$NP\backslash NP : \lambda y.\mathrm{that}^{0}_{0.0}(y_{\circ 0.0})$$

$$NP_{nb} : \mathrm{room}_{0.0} \quad > \qquad (S_{dcl}\backslash NP)/NP : \lambda x.\lambda y.\mathrm{be}^{0}_{1.0}(x, y) \quad <\mathbf{B}_{\times} \qquad NP : \mathrm{that}^{0}_{0.0}(\mathrm{all}_{0.0}) \quad <$$

$$S_{dcl}\backslash NP : \lambda y.\mathrm{be}^{0}_{1.0}(\mathrm{that}^{0}_{0.0}(\mathrm{all}_{0.0}), y) \quad >$$

$$S_{dcl} : \mathrm{be}^{0}_{1.0}(\mathrm{that}^{0}_{0.0}(\mathrm{all}_{0.0}), \mathrm{room}_{0.0}) \quad <$$

$$S_{dcl} : \mathrm{be}^{0}_{1.0}(\mathrm{that}^{0}_{0.0}(\mathrm{all}_{0.0}), \mathrm{room}_{0.0}) \quad <$$