1. (a) Initial trees for a sample TAG (features omitted) or tree substitution grammar, with names $\alpha_{\text{police}}$, $\alpha_{\text{barricades}}$, $\alpha_{\text{upson}}$, $\alpha_{\text{around}}$, and $\alpha_{\text{put}}$, respectively.

1(b) A derived tree using substitution with the above set of initial trees.