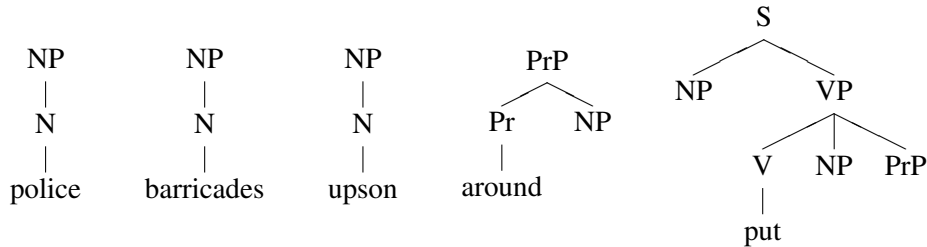


1.

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.

