

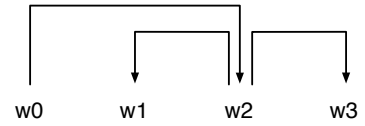
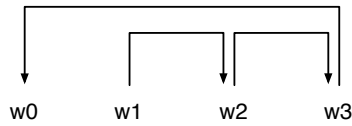
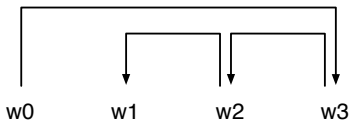
1. Consider the following sentence and the corresponding (unlabeled) dependency tree (represented by the set of edges).

(1) ROOT₀ I₁ would₂ like₃ it₄ to₅ have₆ a₇ stop₈ in₉ Boston₁₀

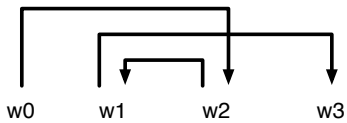
(2) $\langle 0, 2 \rangle, \langle 2, 1 \rangle, \langle 2, 3 \rangle, \langle 3, 6 \rangle, \langle 6, 4 \rangle, \langle 6, 5 \rangle, \langle 6, 8 \rangle, \langle 8, 7 \rangle, \langle 8, 9 \rangle, \langle 9, 10 \rangle$

Parse the sentence using the first algorithm from the lecture: give a sequence of transitions and specify for each step which operation has been used.

2. Which of the following dependency structures are projective?



3. Consider the following nonprojective dependency tree:



Try to specify a sequence of transition steps using the second algorithm from the lecture.