

Q1.

In this question, you are asked to complete the missing parts in the derivation of the following sentence we did in class:

(1) John killed Smith with a knife.

Remember that we integrated the past tense *-ed* into the analysis, as a function taking the Verb Phrase (VP) as argument.

Here is a derivation tree for the example. Your task is to fill in the missing slots X_n .

$\exists e.killing'e \wedge patient'es' \wedge (\exists x.knife'x \wedge instr'ex) \wedge agent'ej'$

