

SLIDE 7,8 Semantics 2

Suggested substitution order:

rule 2, rule 4, rule 5, rule 6, rule 1, rule 3, rule 7

1) $ProperNoun \rightarrow AyCaramba \quad \{AyCaramba\}$

2) $MassNoun \rightarrow meat \quad \{Meat\}$

3) $NP \rightarrow ProperNoun \quad \{ProperNoun.sem\}$

4) $NP \rightarrow MassNoun \quad \{MassNoun.sem\}$

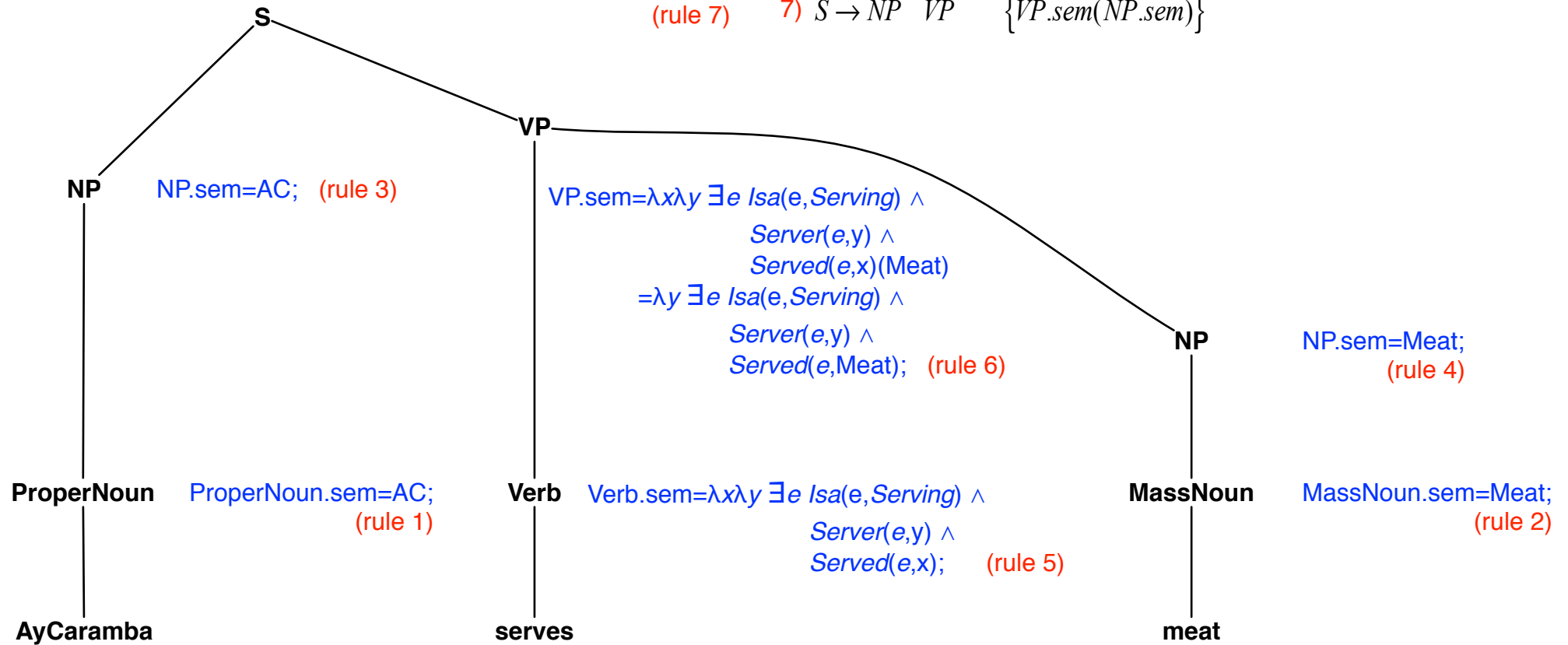
5) $Verb \rightarrow serves \quad \{\lambda x \lambda y \exists e Isa(e, Serving) \wedge Server(e, y) \wedge Served(e, x)\}$

6) $VP \rightarrow Verb \quad NP \quad \{Verb.sem(NP.sem)\}$

7) $S \rightarrow NP \quad VP \quad \{VP.sem(NP.sem)\}$

$S.sem = \lambda y \exists e Isa(e, Serving) \wedge Server(e, y) \wedge Served(e, Meat)(AC)$
 $= \exists e Isa(e, Serving) \wedge Server(e, AC) \wedge Served(e, Meat);$

(rule 7)



NB: AC abbreviates AyCaramba