Schwach kontext-sensitivie Grammatikformalismen
CYK Recognition for TAG: Example

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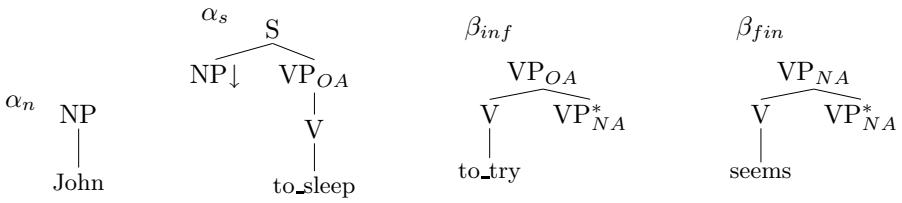
The grammar:



Input:

(1) John seems to sleep

Parsing trace (only successful items):

	Item	Rule
1.	$[\alpha_n, 1_\top, 0, -, -, 1]$	lex-scan (*John*)
2.	$[\beta_{fin}, 11_\top, 1, -, -, 2]$	lex-scan (*seems*)
3.	$[\alpha_s, 211_\top, 2, -, -, 3]$	lex-scan (*to_sleep*)
4.	$[\beta_{fin}, 2_\top, 2, 2, 3, 3]$	foot-predict
5.	$[\alpha_n, \epsilon_\bot, 0, -, -, 1]$	move-unary from 1.
6.	$[\beta_{fin}, 1_\bot, 1, -, -, 2]$	move-unary from 2.
7.	$[\alpha_s, 21_\bot, 2, -, -, 3]$	move-unary from 3.
8.	$[\alpha_n, \epsilon_\top, 0, -, -, 1]$	null-adjoin from 5.
9.	$[\beta_{fin}, 1_\top, 1, -, -, 2]$	null-adjoin from 6.
10.	$[\alpha_s, 21_\top, 2, -, -, 3]$	null-adjoin from 7.
11.	$[\alpha_s, 2_\bot, 2, -, -, 3]$	move-unary from 10.
12.	$[\beta_{fin}, \epsilon_\bot, 1, 2, 3, 3]$	move-binary from 4. and 9.
13.	$[\alpha_s, 1_\top, 0, -, -, 1]$	substitute 8.
14.	$[\beta_{fin}, \epsilon_\top, 1, 2, 3, 3]$	null-adjoin from 12.
15.	$[\alpha_s, 2_\top, 1, -, -, 3]$	adjoin 14. into 11.
16.	$[\alpha_s, \epsilon_\bot, 0, -, -, 3]$	move-binary from 13. and 15.
17.	$[\alpha_s, \epsilon_\top, 0, -, -, 3]$	null-adjoin from 16.