

Week 9 practice example

Consider the following CYK table excerpt:

NP: VP:			
AG:	NP:		
NP: VP:	AG:	NP:	
NP: 1 VP: 1 N: 1 V: 1	NP: 1 N: 1	AG: 1 Adj: 1	NP: 1 VP: 1 N: 1 V: 1

process

memory

efficient

programs

filled using the former CFG excerpt:

AG --> Adj
 AG --> NP AG

 VP --> V
 VP --> V NP

NP --> N
 NP --> AG NP
 NP --> NP NP

For each non-terminal in each cell, provide after each colon (:), as done in the first row, the corresponding number of derivations (subtrees).

From the chart, draw one (partial) parse tree (with root either NP or VP).