

Fill in the CYK dynamic programming table to parse the sentence below. In the bottom right corner, draw the two parse trees. Show the possible nonterminals in each cell. Optional: draw the backpointers too.

0	NP				
she					
1					
eats					
2					
fish					
3					
with					
4					
chopsticks					
5					

- S → NP VP
- NP → NP PP
- VP → V NP
- VP → VP PP
- PP → P NP

- NP → she
- NP → fish
- NP → fork
- NP → chopsticks
- V → eats
- V → fish
- P → with