

# Lecture # 18 , Figuring

①

## Example # 1

S → VP

S → NP VP

NP → Det N

NP → Prepos. Phrase  
(PP)

NP → NP PP

PP → P NP

VP → V

VP → V NP

VP → VP PP

N → "book" / "flight"

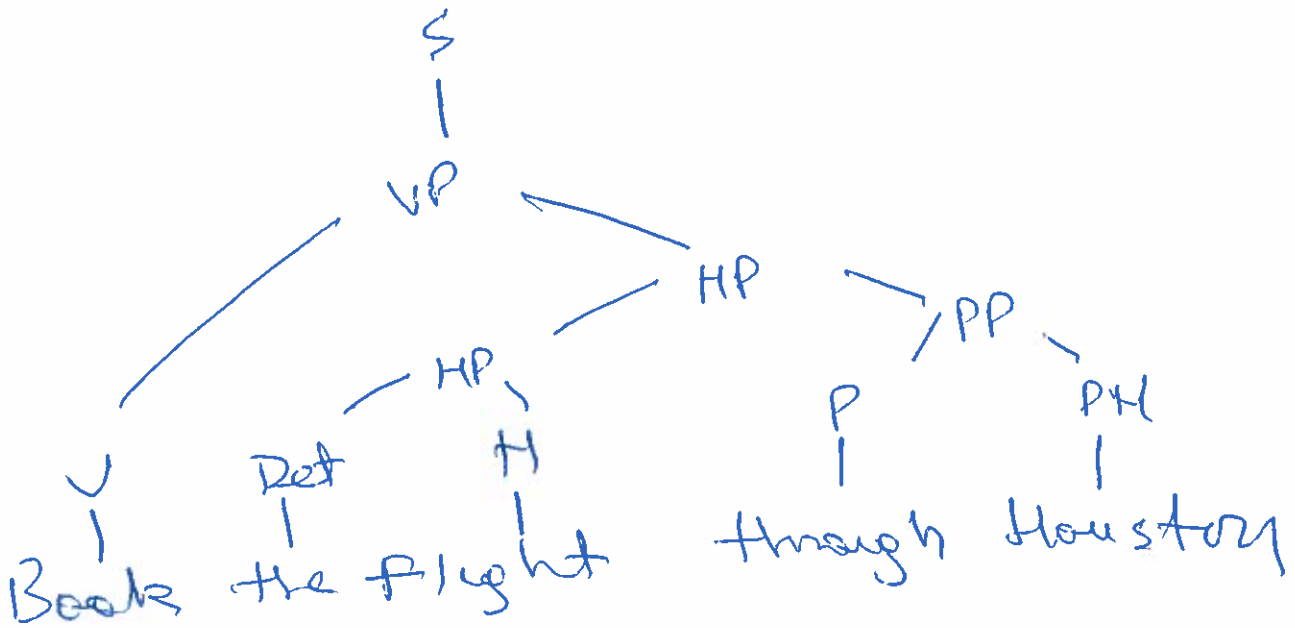
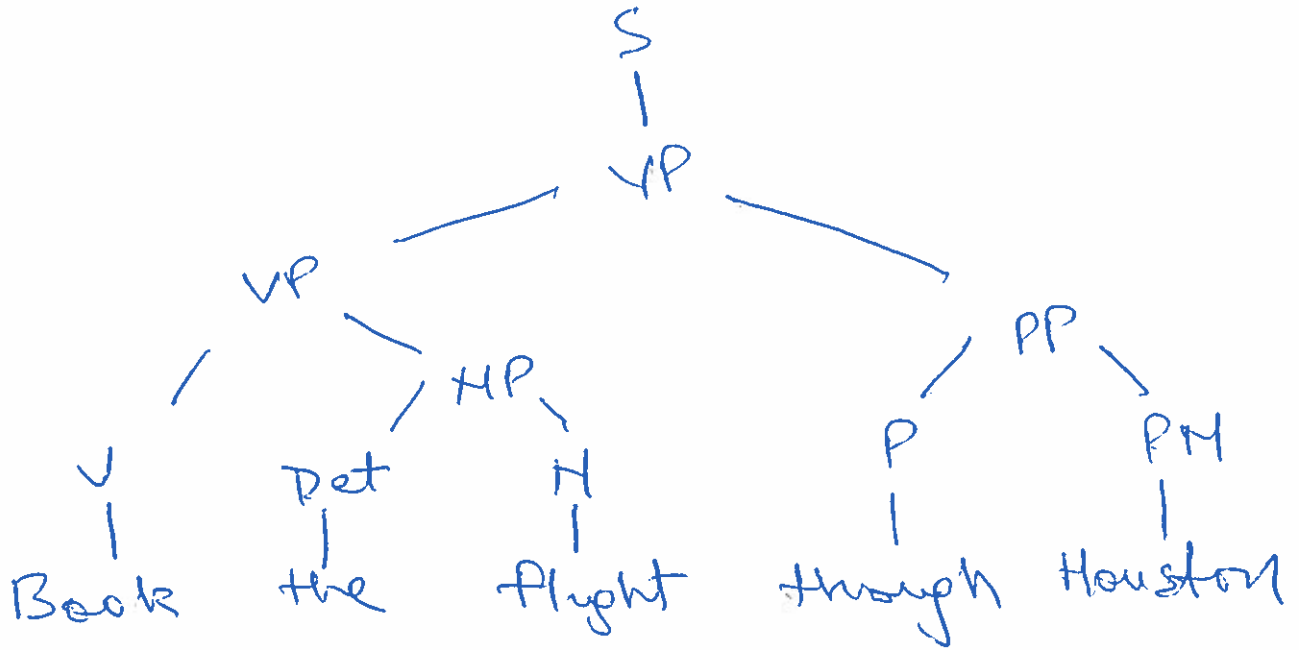
Det → "the"

V → "book"

PN → "Houston"

Example #18 (Cont'd)

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Lecture # 18 , Figures (Cont'd)

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	0	1	2	3	4	5
	Books	the	flight	through	Houston	
(0,1)		(0,2)	(0,3)	(0,4)	(0,5)	
N, V			VP, S		VB' (V, NP) VP' (VP, PP) S', S'	
Books		(1,2)	(1,3)	(1,4)	(1,5)	
		Det	NP		NP	
		the				
			(2,3)	(2,4)	(2,5)	
			T			
			flight			
				(3,4)	(3,5)	
				P	PP	
				through		
					(4,5)	
					PN	
					Houston	