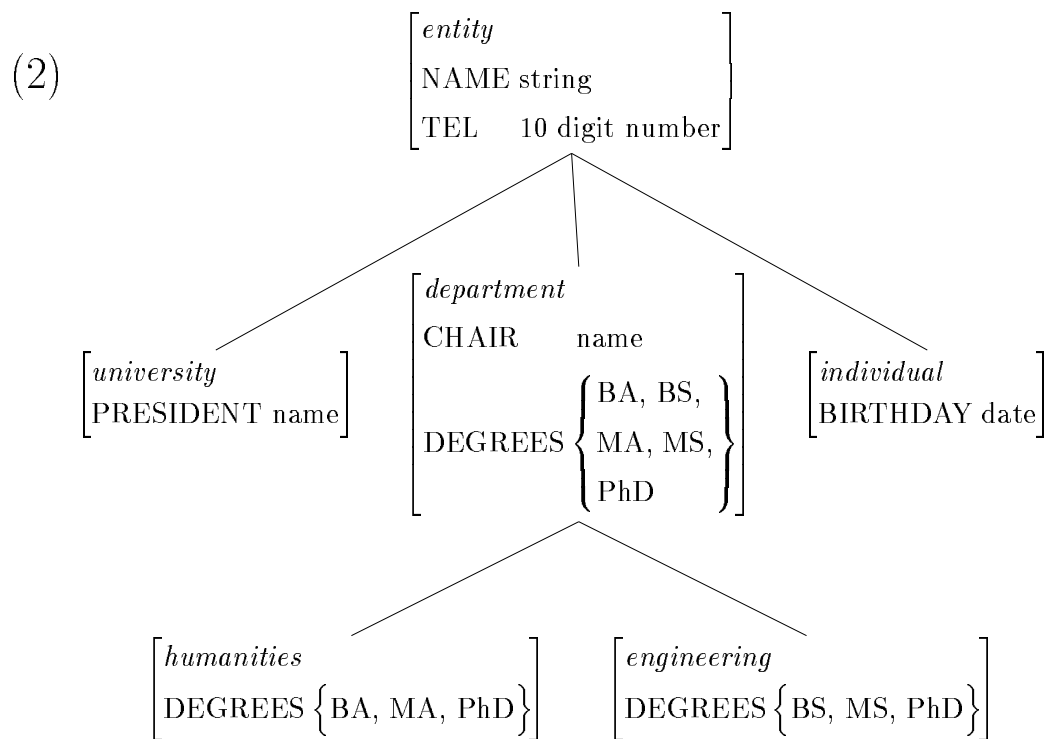
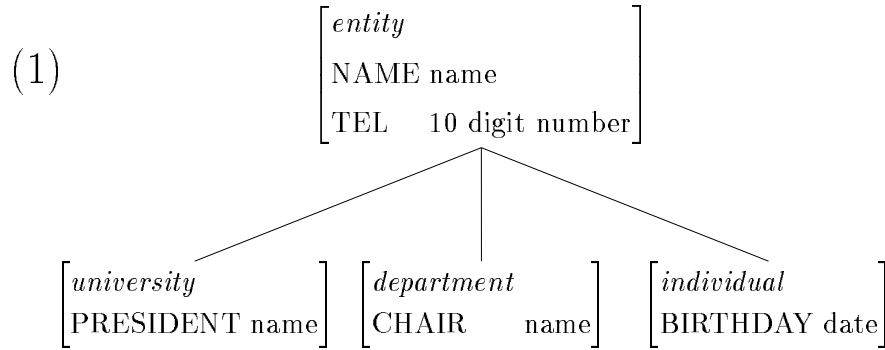


3.2 Slides



(3) $\left[\begin{array}{l} \textit{department} \\ \text{NAME} \quad \text{Stanford Linguistics} \\ \text{CHAIR} \quad \text{Stanley Peters} \\ \text{TEL} \quad \text{650-723-4284} \end{array} \right]$

(4) $\left[\begin{array}{l} \textit{individual} \\ \text{NAME} \quad \text{Stanley Peters} \\ \text{BIRTHDAY} \quad \text{12-7-1941} \\ \text{TEL} \quad \text{650-723-2212} \end{array} \right]$

(5) $\left[\begin{array}{l} \textit{department} \\ \text{NAME} \quad \text{Stanford Linguistics} \\ \\ \text{CHAIR} \quad \left[\begin{array}{l} \textit{individual} \\ \text{NAME} \quad \text{Stanley Peters} \\ \text{BIRTHDAY} \quad \text{12-7-1941} \\ \text{TEL} \quad \text{650-723-2212} \end{array} \right] \\ \text{TEL} \quad \text{650-723-4284} \end{array} \right]$

(6) $\left[\begin{array}{ll} \textit{department} & \\ \text{CHAIR} & \textit{individual} \end{array} \right]$

(7) $\left[\begin{array}{ll} \textit{department} & \\ \text{NAME} & \text{Stanford Linguistics} \\ & \left[\begin{array}{ll} \textit{university} & \\ \text{NAME} & \text{Stanford University} \\ \text{PRESIDENT} & \text{Gerhard Casper} \\ \text{TEL} & \text{650-723-2300} \end{array} \right] \\ \text{CHAIR} & \\ \text{TEL} & \text{650-723-2212} \end{array} \right]$

(8) $\left[\begin{array}{ll} \textit{department} & \\ \text{CHAIR} & \left[\begin{array}{ll} \textit{individual} & \\ \text{TEL} & \boxed{\text{I}} \end{array} \right] \\ \text{TEL} & \boxed{\text{I}} \end{array} \right]$

- (9) $\left[\begin{array}{ll} \textit{phrase} & \\ \text{POS} & \text{noun} \\ \text{NUM} & \text{sg} \end{array} \right] \ \& \ \left[\begin{array}{ll} \textit{phrase} & \\ \text{VAL} & \textit{itr} \end{array} \right]$
- (10) $\left[\begin{array}{ll} \textit{phrase} & \\ \text{POS} & \text{noun} \\ \text{NUM} & \text{sg} \end{array} \right] \ \& \ \left[\begin{array}{ll} \textit{phrase} & \\ \text{POS} & \text{noun} \end{array} \right]$
- (11) $\left[\begin{array}{ll} \textit{phrase} & \\ \text{NUM} & \text{sg} \end{array} \right] \ \& \ \left[\begin{array}{ll} \textit{phrase} & \\ \text{POS} & \text{verb} \end{array} \right]$
- (12) $\left[\begin{array}{ll} \textit{phrase} & \\ \text{POS} & \text{noun} \\ \text{NUM} & \text{sg} \end{array} \right] \ \& \ \left[\begin{array}{ll} \textit{phrase} & \\ \text{POS} & \text{verb} \end{array} \right]$
- (13) $\left[\begin{array}{ll} \textit{department} & \\ \text{NAME} & \text{Stanford Linguistics} \\ & \left[\begin{array}{ll} \textit{individual} & \\ \text{NAME} & \text{Stanley Peters} \\ \text{BIRTHDAY} & \text{12-7-1941} \end{array} \right] \\ \text{CHAIR} & \end{array} \right] \ \&$
 $\left[\text{TEL} \ (650) \ 723-4284 \right]$

(14)

<i>department</i>		}	&						
NAME	Stanford Linguistics								
CHAIR	<table style="border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding-right: 10px;"><i>individual</i></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 10px;">NAME</td> <td>Stanley Peters</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 10px;">BIRTHDAY</td> <td>12-7-1941</td> </tr> </table>	<i>individual</i>		NAME	Stanley Peters	BIRTHDAY	12-7-1941	}	
<i>individual</i>									
NAME	Stanley Peters								
BIRTHDAY	12-7-1941								
CHAIR	[TEL (650) 723-2212]								

(15)

<i>department</i>		}	&								
NAME	Stanford Linguistics										
CHAIR	<table style="border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding-right: 10px;"><i>individual</i></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 10px;">NAME</td> <td>Stanley Peters</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 10px;">BIRTHDAY</td> <td>12-7-1941</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 10px;">TEL</td> <td>(650) 723-2212</td> </tr> </table>	<i>individual</i>		NAME	Stanley Peters	BIRTHDAY	12-7-1941	TEL	(650) 723-2212	}	
<i>individual</i>											
NAME	Stanley Peters										
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CHAIR	[TEL (650) 723-4284]										

(16)

<i>department</i>											
NAME		Stanford Linguistics									
		<table style="border-collapse: collapse; margin: 0 auto;"> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;"><i>individual</i></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;">NAME</td> <td style="padding: 5px;">Stanley Peters</td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;">BIRTHDAY</td> <td style="padding: 5px;">12-7-1941</td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;">TEL</td> <td style="padding: 5px;">(650) 723-2212</td> </tr> </table>	<i>individual</i>		NAME	Stanley Peters	BIRTHDAY	12-7-1941	TEL	(650) 723-2212	
<i>individual</i>											
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&

<i>department</i>							
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<i>individual</i>							
TEL	☐						
TEL	☐						

$$(17) \quad \textit{phrase} \rightarrow \text{H} \begin{bmatrix} \textit{word} \\ \text{VAL} \quad \textit{itr} \end{bmatrix}$$

$$\textit{phrase} \rightarrow \text{H} \begin{bmatrix} \textit{word} \\ \text{VAL} \quad \textit{tr} \end{bmatrix} \text{NP}$$

$$\textit{phrase} \rightarrow \text{H} \begin{bmatrix} \textit{word} \\ \text{VAL} \quad \textit{dtr} \end{bmatrix} \text{NP NP}$$

$$(18) \quad \begin{bmatrix} \textit{phrase} \\ \text{POS} \quad \boxed{1} \\ \text{NUM} \quad \boxed{2} \end{bmatrix} \rightarrow \begin{bmatrix} \textit{word} \\ \text{POS} \quad \boxed{1} \\ \text{NUM} \quad \boxed{2} \\ \text{VAL} \quad \textit{itr} \end{bmatrix}$$

$$(19) \quad \begin{bmatrix} \textit{phrase} \\ \text{HEAD} \quad \boxed{1} \end{bmatrix} \rightarrow \begin{bmatrix} \textit{word} \\ \text{HEAD} \quad \boxed{1} \\ \text{VAL} \quad \textit{itr} \end{bmatrix}$$

(20) A phrase structure is well-formed just in case each local subtree within it either:

1. satisfies a lexical entry, or
2. satisfies some grammar rule and all grammatical principles (e.g. the HFP)

(21)

