

Note: we freely employ the minimal-punctuation system for types; see handout for 02-26 for how dots work.

1. Jay respects every virtuous woman

Jay	[+ 1]	respects	every	virtuous	[mod]	woman	[+ 2]
D	$D \rightarrow D_1$			C	$C \rightarrow C \rightarrow C$		
				$C \rightarrow C$		C	
			$C \rightarrow : D \rightarrow S. \rightarrow S$	C			
			$D \rightarrow S. \rightarrow S$				$D \rightarrow D_2$
		$D_2 \rightarrow D_1 \rightarrow S$	$D_2 \rightarrow S. \rightarrow S$				
	$D_1$	$D_1 \rightarrow S$					
S							

2. no virtuous woman respects the man whom Kay admires

no	virtuous	[mod]	woman	[+ 1]	respects	the	man	who	m	Kay	[+ 1]	admires	[+ 2]						
C → :D → S. → S	C	C → C → C	C	D → D <sub>1</sub>	D <sub>2</sub> → D <sub>1</sub> → S	C → D	C	D → S. → C → C	D → D <sub>2</sub>	D	D → D <sub>1</sub>	D <sub>2</sub> → D <sub>1</sub> → S	D → D <sub>2</sub>						
	C → C							D <sub>1</sub>											
	C							D <sub>2</sub> → S. → C → C		D <sub>2</sub> → S									
	D → S. → S							C → C											
	C → D							C											
	D <sub>2</sub> → D <sub>1</sub> → S							D						D → D <sub>2</sub>					
	D <sub>2</sub> → D <sub>1</sub> → S								D <sub>2</sub>										
	D <sub>1</sub> → S. → S							D <sub>1</sub> → S											
	S																		



4. every woman who is admired by Kay is someone's mother  
 1. [indefinite reading of 'mother']

every	woman	who	[+ 1]	is	admire	ed	by	Kay	[+ 2]	[+ 1]	is	some	one	's	mother
		$D \rightarrow S. \rightarrow C \rightarrow C$	$D \rightarrow D_1$		$D_2 \rightarrow D_1 \rightarrow S$	pass		D	$D \rightarrow D_2$			$C \rightarrow :D \rightarrow S. \rightarrow S$	C		
					$D_2 \rightarrow D_5$	$D_2$		$D \rightarrow S. \rightarrow S$	$D \rightarrow D_6$						
					$D_5 \rightarrow C$	$D_5$		$D_6 \rightarrow S. \rightarrow S$				$D_6 \rightarrow C$			
					$C \rightarrow D_1 \rightarrow S$	C		$C \rightarrow S. \rightarrow S$							
					$D_1 \rightarrow S. \rightarrow C \rightarrow C$	$D_1 \rightarrow S$		$C \rightarrow D_1 \rightarrow S$							
		C			C $\rightarrow$ C										
		$C \rightarrow :D \rightarrow S. \rightarrow S$			C										
					$D \rightarrow S. \rightarrow S$			$D \rightarrow D_1$							
					$D_1 \rightarrow S. \rightarrow S$							$D_1 \rightarrow S$			
		S													

$pass =_{df} (D_2 \rightarrow D_1 \rightarrow S) \rightarrow (D_5 \rightarrow C)$

2. [definite reading of 'mother']

every woman who is admired by Kay	is	some	one	's	mother	[def]	[+ 1]	
$D_1 \rightarrow S. \rightarrow S$		$C \rightarrow D \rightarrow S. \rightarrow S$	C	$D \rightarrow D_6$	$D_6 \rightarrow C$	$C \rightarrow D$	$D \rightarrow D_1$	
		$D \rightarrow S. \rightarrow S$			$D_6 \rightarrow D$			
		$D_6 \rightarrow S. \rightarrow S$			$D_6 \rightarrow D$			
		$D \rightarrow S. \rightarrow S$						
		$D_1 \rightarrow D_1 \rightarrow S$	$D_1 \rightarrow S. \rightarrow S$					
		$D_1 \rightarrow S$						
S								

5. every man whose mother respects Kay is someone's brother

every	man	who	se	mother	[def]	[+ 1]	respects	Kay	[+ 2]	[+ 1]	is	some	one	's	brother
		$D \rightarrow S. \rightarrow C \rightarrow C$	$D \rightarrow D_6$	$D_6 \rightarrow C$	$C \rightarrow D$			D	$D \rightarrow D_2$			$C \rightarrow : D \rightarrow S. \rightarrow S$	C		
		$D_6 \rightarrow S. \rightarrow C \rightarrow C$		$D_6 \rightarrow D$			$D_2 \rightarrow D_1 \rightarrow S$	$D_2$				$D \rightarrow S. \rightarrow S$		$D \rightarrow D_6$	
		$D \rightarrow S. \rightarrow C \rightarrow C$			$D \rightarrow D_1$							$D_6 \rightarrow S. \rightarrow S$		$D_6 \rightarrow C$	
		$D_1 \rightarrow S. \rightarrow C \rightarrow C$				$D_1 \rightarrow S$					$C \rightarrow D_1 \rightarrow S$	$C \rightarrow S. \rightarrow S$			
	C	$C \rightarrow C$													
$C \rightarrow : D \rightarrow S. \rightarrow S$		C													
		$D \rightarrow S. \rightarrow S$									$D \rightarrow D_1$				
		$D_1 \rightarrow S. \rightarrow S$										$D_1 \rightarrow S$			
S															

6. Jay and Kay respect Elle.

Jay	[+ 1]	and	Kay	[+ 1]	respect	Elle	[+ 2]
D	$D \rightarrow D_1$		D	$D \rightarrow D_1$		D	$D \rightarrow D_2$
$D_1$		$S^2 \rightarrow S$	$D_1$		$D_2 \rightarrow D_1 \rightarrow S$	$D_2$	
$D_1 \rightarrow S. \rightarrow S$					$D_1 \rightarrow S$		
S							

7. Elle is Jay's dog but not Kay's dog.

Elle	[+ 1]	is	Jay	's	dog	but	not	Kay	's	dog
D	$D \rightarrow D_1$		D	$D \rightarrow C \rightarrow C$				D	$D \rightarrow C \rightarrow C$	
			$C \rightarrow C$		C			$C \rightarrow C$		C
			$C [D_0 \rightarrow S]$				$S \rightarrow S$	$C [D_0 \rightarrow S]$		
			$C [D_0 \rightarrow S]$			$S^2 \rightarrow S$	$C [D_0 \rightarrow S]$			
		$C \rightarrow D_1 \rightarrow S$	$C [D_0 \rightarrow S]$							
$D_1$		$D_1 \rightarrow S$								
$S$										

8. Jay's dog is happy.

Jay	's	dog	[def]	[+ 1]	is	happy
D	$D \rightarrow C \rightarrow C$				$C \rightarrow D_1 \rightarrow S$	C
$C \rightarrow C$		C				
C			$C \rightarrow D$			
D				$D \rightarrow D_1$		
$D_1$					$D_1 \rightarrow S$	
$S$						