













Example, cont.		
$S \rightarrow E$		
	E.env = EmptyEnvironment()	
	S.value = E.value	
$E_0 \rightarrow E_1 + E_2$		
	$E_1.env = E_0.env$	
	$E_2.env = E_0.env$	
	$E_0.value = E_1.value + E_2.value$	
$E \rightarrow NUM$		
	E.value = NUM.value	
$E \rightarrow ID$		
	E.value = Lookup(ID.name, E.env)	
$E_0 \rightarrow let ID = E_1 ln E_2$		
	$E_1.env = E_0.env$	
	$E_2.env = Insert(ID.name, E_1.value, E_0.env)$	
	E_0 .value = E_2 .value	
CS 412/413 Sprir	ng 2007 Introduction to Compilers	8





















