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	Page No.
	Ch4 Syntax Directed Definition
*	Parse true showing values of attributes
1	Parse bue showing values of attributes of each node is called annotated
	parse true dining min estimated
The state of the s	
*	CFUT in which the productions
En Waller (II)	semantis rules is called as
22 - 22 - 22 - 22 - 22 - 22 - 22 - 22	Seroantis rules is called as
	syntax-directed definition.
	S S
*	Attribute grammay is a special form of CFU where some additional information is appended to one or more of its non-terminals in order
	of CFG where some additional
	information is appended to one or
	more of its non-teriminals in order
	to provide context-sensitive information
×	Synthesized Inherited
	Attributes Attributes
S. C.	

pifferentiation between Synthesized Attributes and Inherited Attributes:

fferentiation between Synthesized Attributes and Inherited Attributes: Synthesized Inherited			
Sr. No.		Assertantos	
1.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	An attribute is said to be inherited attribute if its parse tree node value is determined by the attribute value at parent and/or siblings node.	
2.	The value of the translation of the non-terminal on the left side of the production as a function of translation of non-terminal on the right-hand side (RHS) is called a synthesized attribute (translation).	Translation of a non-terminal on right- hand side of a production is determined in terms of a non-terminal on the left-hand which side is called an inherited attribute.	
3.	A synthesized attribute at node n is defined only in terms of attribute values at the children of n itself.	A Inherited attribute at node n is defined only in terms of attribute values of n's parent, n itself, and n's siblings.	
A.	Synthesized attributes pass on information up the parse tree.	Inherited attributes pass on information down the parse tree.	
Fs.	Synthesized attributes can be contained by both the terminals and non-terminals.	Inherited attributes can't be contained by both but it is only contained by non-terminals.	
8.	S-attributes are also called reference	Inherited attributes are called value attributes (call by value).	
7.	Example:	Example:	
	$E \rightarrow E_1 + E_2$ (E.val = E_1 .val + E_2 .val)	$A \rightarrow XYZ (Y.val = 2*A.val)$	
	Semantic action enclosed in parentheses states that translation in Left-Hand Side (LHS) of production is determined by adding together translations associated on RHS of	determined by translation associated with LHS of production.	
	production.	. (British of the control of the con	

