

Name: \_\_\_\_\_

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What is the difference between an inherited attribute and a synthesized attribute?

What is the relationship between threading the syntax tree and simple symbolic interpretation?

Illustrate the difference between inherited and synthesized attributes using a dependency graph.

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For the following grammar define attribute evaluation rules that will support an attribute **string** that describes the string that the non-terminal produces and **parents** that describes the sequence of non-terminals that produced the current symbol.

$Z \rightarrow aXd\$$

$X \rightarrow Y \mid b$

$Y \rightarrow (Y) \mid c$