

Name: _____

What is the difference between a LL(1) compiler and a RR(1) compiler?

What is a First/Follow conflict?

How can you eliminate a First/Follow conflict?

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What is a Shift/Reduce conflict?

How can you solve a Shift/Reduce conflict?

What is the difference between LR(0) and SLR grammars?

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For the following grammar draw a LR(0) state automaton:

$Z \rightarrow aX\$$

$X \rightarrow Y \mid b$

$Y \rightarrow (Y) \mid c$

(Hint: The first state is $Z \rightarrow \cdot aX\$$)

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For the following grammar define the first and follow sets:

$Z \rightarrow aXd\$$

$X \rightarrow Y \mid b$

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For the following grammar define the first and follow sets:

$Z \rightarrow aXb\$$

$X \rightarrow Y \mid d$

$Y \rightarrow (Y) \mid c$