CS480
Translators
Parsing/Test Review
Chap. 4
Test 2 Review

• Difference between Top-Down and Bottom-Up Parsing
  – Derivation vs. Reduction
• What is a handle?
• Transforming Grammars
  – Left Recursion
  – Left Factor
• Determine if grammar is LL(1)
  – Calculate First and Follow
  – Build LL(1) Parse Table
• Determine if grammar is LR(0)
  – Build LR(0) Parse Table
• Determine if grammar is SLR(1)
  – Build SLR(1) Parse Table
• Determine if grammar is LR(1)
  – Build LR(1) Parse Table
Quiz #10 Answers

- LR(0) has no look-ahead
- SLR(1) follow set for look-ahead
- LR(1) state specific follow set

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<thead>
<tr>
<th>Actions</th>
<th>GoTo</th>
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<tr>
<td>terminals &amp; $</td>
<td>Non-terms</td>
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<th>Shifts &amp; reduces</th>
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<td>Stacks</td>
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