## Checkin 12

Describe the difference between an LL(1) and LR(1) parser. Which is more powerful?

## Administrivia

P3 Due next week

Flipped Wednesday



## Written Work #3

#### **Topics**:

• LL(1) Grammars

Left factor the following grammar

A:= 
$$\sqrt{A} \times A$$
 $\sqrt{A} \times A$ 
 $\sqrt{A} \times A$ 

611 = Co f

Eliminate left recursion in the following grammar

$$L ::= L L E$$

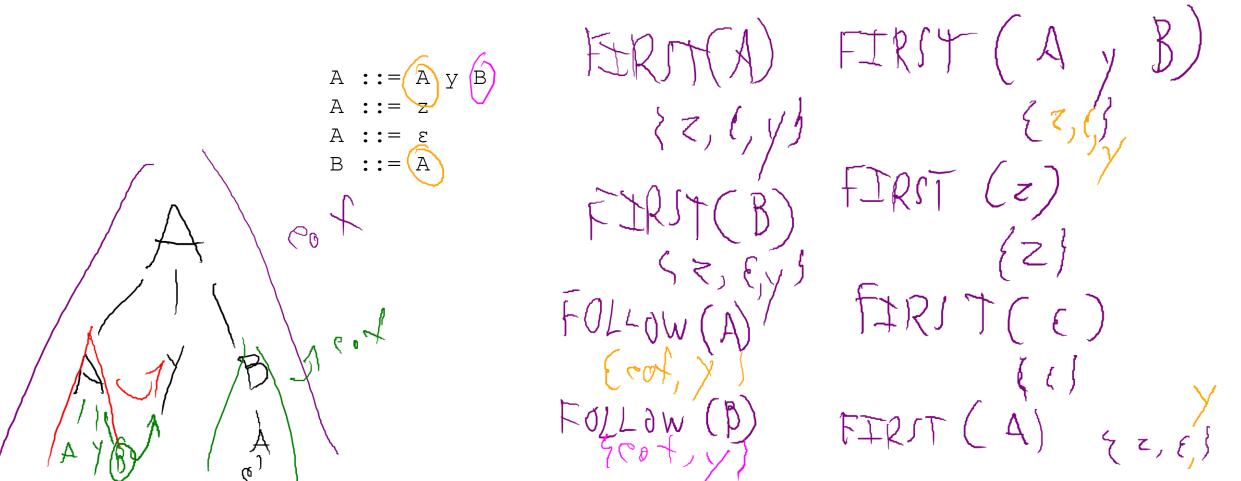
$$L ::= G D$$

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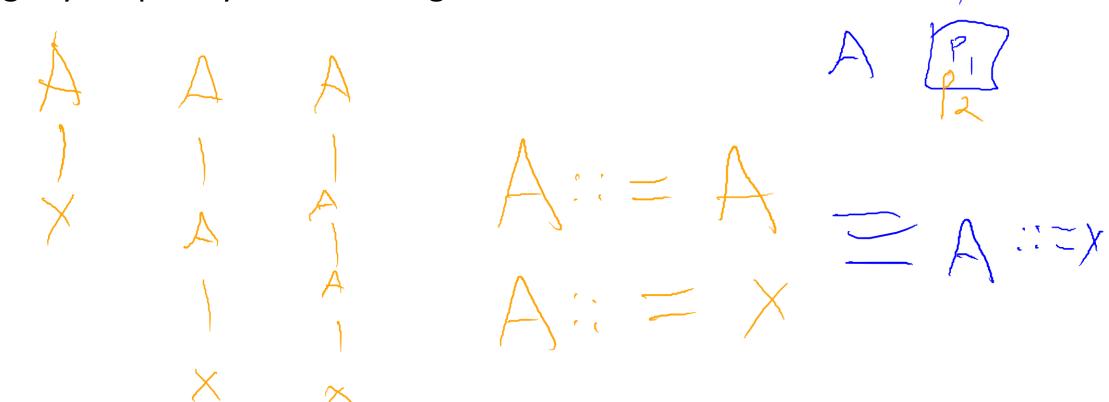
$$L ::= G D$$

$$L ::= K$$

What are the FIRST and FOLLOW sets for the following grammar



Is it possible to generate FIRST sets for a grammar with syntactic ambiguity? Explain your reasoning.



5 : = 1 B:: = K x g X Y )