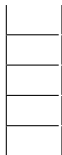


# An Example of LR Parsing

1

1		$\langle S \rangle$	::=	a $\langle A \rangle$ $\langle B \rangle$ e
2		$\langle A \rangle$	::=	$\langle A \rangle$ b c
3		$\langle A \rangle$	::=	b
4		$\langle B \rangle$	::=	d



a

Input String

a

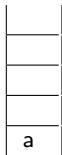
Remaining String

bbcde

The complete input string to parse is: abcde

# An Example of LR Parsing

1		$\langle S \rangle$	::=	a $\langle A \rangle$ $\langle B \rangle$ e
2		$\langle A \rangle$	::=	$\langle A \rangle$ b c
3		$\langle A \rangle$	::=	b
4		$\langle B \rangle$	::=	d



a

Input String

a

Remaining String

bbcde

The complete input string to parse is: abcde

# An Example of LR Parsing

1

1		$\langle S \rangle$	::=	a $\langle A \rangle$ $\langle B \rangle$ e
2		$\langle A \rangle$	::=	$\langle A \rangle$ b c
3		$\langle A \rangle$	::=	b
4		$\langle B \rangle$	::=	d



a      b

Input String  
ab

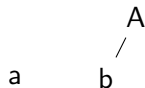
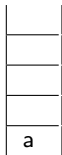
Remaining String  
bcde

The complete input string to parse is: abcde

# An Example of LR Parsing

1

1		$\langle S \rangle$	::=	a $\langle A \rangle$ $\langle B \rangle$ e
2		$\langle A \rangle$	::=	$\langle A \rangle$ b c
3		$\langle A \rangle$	::=	b
4		$\langle B \rangle$	::=	d



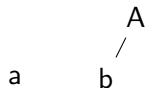
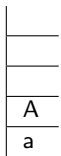
Input String  
ab

Remaining String  
bcde

The complete input string to parse is: abcde

# An Example of LR Parsing

1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$   
2 |  $\langle A \rangle ::= \langle A \rangle b c$   
3 |  $\langle A \rangle ::= b$   
4 |  $\langle B \rangle ::= d$



Input String  
ab

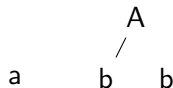
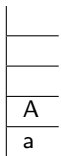
Remaining String  
bcde

The complete input string to parse is: abcde

# An Example of LR Parsing

1

1		$\langle S \rangle$	::=	a $\langle A \rangle$ $\langle B \rangle$ e
2		$\langle A \rangle$	::=	$\langle A \rangle$ b c
3		$\langle A \rangle$	::=	b
4		$\langle B \rangle$	::=	d



Input String  
abb

Remaining String  
cde

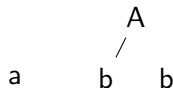
The complete input string to parse is: abcde

# An Example of LR Parsing

1

- 1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$
- 2 |  $\langle A \rangle ::= \langle A \rangle b c$
- 3 |  $\langle A \rangle ::= b$
- 4 |  $\langle B \rangle ::= d$

b
A
a



Input String  
abb

Remaining String  
cde

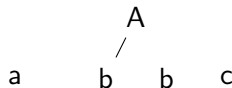
The complete input string to parse is: abcde

# An Example of LR Parsing

1

- 1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$
- 2 |  $\langle A \rangle ::= \langle A \rangle b c$
- 3 |  $\langle A \rangle ::= b$
- 4 |  $\langle B \rangle ::= d$

b
A
a



Input String  
abbc

Remaining String  
de

The complete input string to parse is: abcde

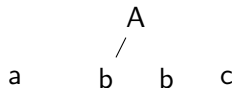


# An Example of LR Parsing

1

- 1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$
- 2 |  $\langle A \rangle ::= \langle A \rangle b c$
- 3 |  $\langle A \rangle ::= b$
- 4 |  $\langle B \rangle ::= d$

c
b
A
a



Input String  
abbc

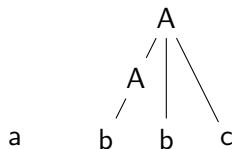
Remaining String  
de

The complete input string to parse is: abcde

# An Example of LR Parsing

- 1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$
- 2 |  $\langle A \rangle ::= \langle A \rangle b c$
- 3 |  $\langle A \rangle ::= b$
- 4 |  $\langle B \rangle ::= d$

c
b
A
a



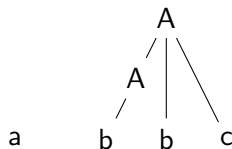
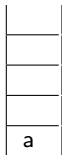
Input String  
abbc

Remaining String  
de

The complete input string to parse is: abcde

# An Example of LR Parsing

1		$\langle S \rangle$	::=	a $\langle A \rangle$ $\langle B \rangle$ e
2		$\langle A \rangle$	::=	$\langle A \rangle$ b c
3		$\langle A \rangle$	::=	b
4		$\langle B \rangle$	::=	d



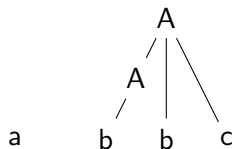
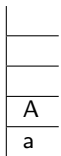
Input String  
abbc

Remaining String  
de

The complete input string to parse is: abcde

# An Example of LR Parsing

- 1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$
- 2 |  $\langle A \rangle ::= \langle A \rangle b c$
- 3 |  $\langle A \rangle ::= b$
- 4 |  $\langle B \rangle ::= d$



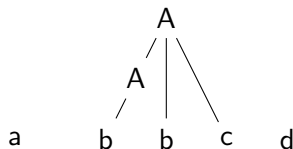
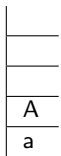
Input String  
abbc

Remaining String  
de

The complete input string to parse is: abcde

# An Example of LR Parsing

- 1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$
- 2 |  $\langle A \rangle ::= \langle A \rangle b c$
- 3 |  $\langle A \rangle ::= b$
- 4 |  $\langle B \rangle ::= d$



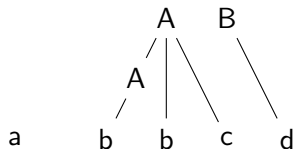
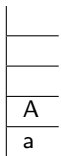
Input String  
abbcde

Remaining String  
e

The complete input string to parse is: abbcde

# An Example of LR Parsing

- 1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$
- 2 |  $\langle A \rangle ::= \langle A \rangle b c$
- 3 |  $\langle A \rangle ::= b$
- 4 |  $\langle B \rangle ::= d$



Input String  
abbcd

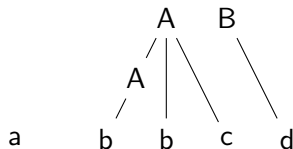
Remaining String  
e

The complete input string to parse is: abbcd e

# An Example of LR Parsing

- 1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$
- 2 |  $\langle A \rangle ::= \langle A \rangle b c$
- 3 |  $\langle A \rangle ::= b$
- 4 |  $\langle B \rangle ::= d$

B
A
a



Input String  
abbcd

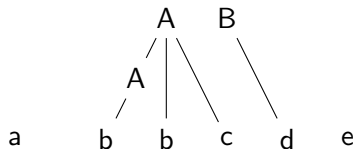
Remaining String  
e

The complete input string to parse is: abbcd e

# An Example of LR Parsing

- 1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$
- 2 |  $\langle A \rangle ::= \langle A \rangle b c$
- 3 |  $\langle A \rangle ::= b$
- 4 |  $\langle B \rangle ::= d$

B
A
a



Input String    Remaining String  
abcde

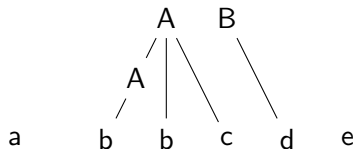
The complete input string to parse is: abcde



# An Example of LR Parsing

- 1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$
- 2 |  $\langle A \rangle ::= \langle A \rangle b c$
- 3 |  $\langle A \rangle ::= b$
- 4 |  $\langle B \rangle ::= d$

e
B
A
a



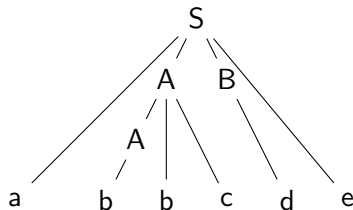
Input String    Remaining String  
abcde

The complete input string to parse is: abcde

# An Example of LR Parsing

- 1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$
- 2 |  $\langle A \rangle ::= \langle A \rangle b c$
- 3 |  $\langle A \rangle ::= b$
- 4 |  $\langle B \rangle ::= d$

e
B
A
a

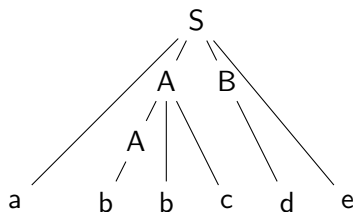
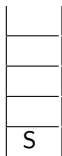


Input String    Remaining String  
abcde

The complete input string to parse is: abcde

# An Example of LR Parsing

- 1 |  $\langle S \rangle ::= a \langle A \rangle \langle B \rangle e$
- 2 |  $\langle A \rangle ::= \langle A \rangle b c$
- 3 |  $\langle A \rangle ::= b$
- 4 |  $\langle B \rangle ::= d$



Input String    Remaining String  
abcde

The complete input string to parse is: abcde