

# CS471 Spring 2001

## Homework 1: Syntax

### *BNF conversions*

#### Original Rule 4

NCName ::= (Letter | '\_' ) (NCNameChar)\*

#### BNF for Rule 4

<NCName> ::= <Letter> | \_ | <NCName> <NCNameChar>

#### Original Rule 6

QName ::= (Prefix ':')? LocalPart

#### BNF for Rule 6

<QName> ::= <Prefix> : <LocalPart> | <LocalPart>

#### Original Rule 9

STag ::= '<' QName (S Attribute)\* S? '>'

#### BNF for Rule 9

<STag> ::= <STagSeq1> <STagSeq2>

<STagSeq2> ::= <S> > | >

<STagSeq1> ::= < <QName> | <STagSeq1> <S> <Attribute>

#### Original Rule 13

doctypeDecl ::=

'<!DOCTYPE' S QName (S ExternalID)? S? ('[' (markupDecl | PEReference | S)\* ']' S?)? '>'

#### BNF for Rule 13

<doctypeDecl> ::= <!DOCTYPE <S> <Qname> <doctypeDecl1> >

<doctypeDecl1> ::= <S> <ExternalID> <doctypeDecl2> | <doctypeDecl2>

<doctypeDecl2> ::= <S> <doctypeDecl3> | <doctypeDecl3>

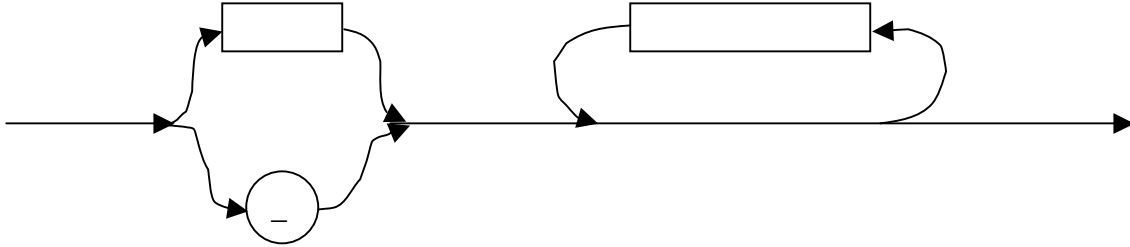
<doctypeDecl3> ::= <doctypeDecl4> ] | <doctypeDecl4> ] <S>

<doctypeDecl4> ::= [ | <doctypeDecl4> <doctypeDecl5>

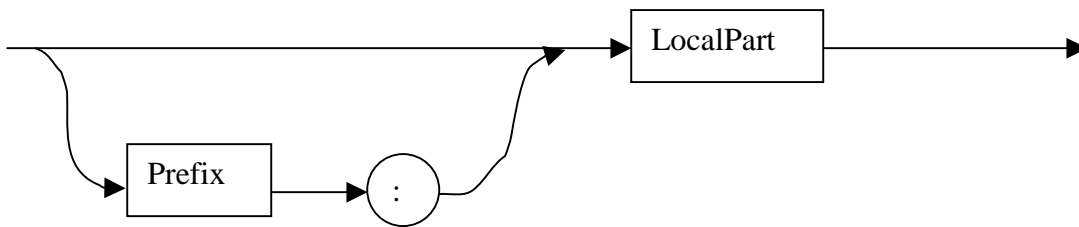
<doctypeDecl5> ::= <markupDecl> | <PEReference> | <S>

## Syntax diagrams

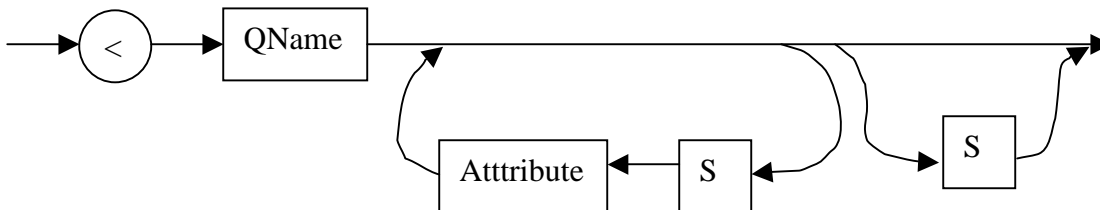
Rule 4: NCName



Rule 6: QName



Rule 9: STag



Rule 13: doctypedecl

