adjm	$\longrightarrow$	*adj
adjm	$\longrightarrow$	*adj adjm
adjm	$\longrightarrow$	advm *adj
adjm	$\longrightarrow$	adjm *conj adjm
advm	$\longrightarrow$	*adv advm
advm	$\longrightarrow$	*adv
advm	$\longrightarrow$	advm *conj advm
dir	$\longrightarrow$	dir *conj dir
dir	$\longrightarrow$	pp vp
dir	$\longrightarrow$	vp
dir	$\longrightarrow$	vp pp
nm	$\longrightarrow$	*n
nm	$\longrightarrow$	*n nm
np	$\longrightarrow$	np *conj np
np	$\longrightarrow$	np1 *that s
np	$\longrightarrow$	np1 s
np	$\longrightarrow$	np1
np0	$\longrightarrow$	nm
np0	$\longrightarrow$	adjm nm
np0	$\longrightarrow$	*det nm
np0	$\longrightarrow$	*det adjm nm
np1	$\longrightarrow$	adjm np0 pp pp
np1	$\longrightarrow$	adjm np0 pp
np1	$\longrightarrow$	adjm np0
np1	$\longrightarrow$	np0 pp
np1	$\longrightarrow$	np0
np1	$\longrightarrow$	np0 pp pp
pp	$\longrightarrow$	pp *conj pp
pp	$\longrightarrow$	*prep np
s	$\longrightarrow$	np vp pp pp
s	$\longrightarrow$	np vp pp
s	$\longrightarrow$	pp np vp
s	$\longrightarrow$	np vp
s	$\longrightarrow$	s *conj s
start	$\longrightarrow$	dir
start	$\longrightarrow$	np
start	$\longrightarrow$	s
vc	$\longrightarrow$	*aux *v
vc	$\longrightarrow$	*v
vp	$\longrightarrow$	vc np
vp	$\longrightarrow$	vp *conj vp
vp	$\longrightarrow$	vc

These rules are only the structure-building rules expressed in general context-free form. That is, all the symbols used in these rules are non-terminals. Symbols beginning with * are preterminals which they appear on the left-hand side of lexical assignment rules whose

right-hand side is a single terminal symbol signifying an ordinary vocabulary word. For example,

*conj	$\longrightarrow$	AND
*conj	$\longrightarrow$	BUT
*conj	$\longrightarrow$	OR
*n	$\longrightarrow$	BOY
*prep	$\longrightarrow$	TO
*prep	$\longrightarrow$	IN
*prep	$\longrightarrow$	ON
*prep	$\longrightarrow$	WITH
*v	$\longrightarrow$	RUN
*v	$\longrightarrow$	BE

The number of such rules is limited only by the size of the vocabulary and could include all entries in a standard dictionary.

The non-terminal symbols refer to specific parts of speech as follows:

adj	adjective
aux	auxiliary verb
adv	adverb
conj	conjunction
det	determiner
dir	directive
n	noun
np	noun phrase
pp	prepositional phrase
prep	preposition
s	sentence
that	indicator
v	verb
vc	compound verb
vp	verb phrase

A far better grammar for English is given in [316, pp. 177ff.]. This one has about 400 rules and is still practical with modern computers.