The government raised interest rates.

List of items	Rule
S	
NP VP	**S -> NP VP**
NP VP NP	**VP -> VP NP**
NP Verb NP NP	**VP -> Verb NP**
NP Verb Noun Noun	**NP -> Noun**
NP Verb Noun rates	**Noun ->** rates
NP Verb interest rates	**Noun ->** interest
NP raised interest rates	**Verb ->** raised
Det Noun raised interest rates	**NP -> Det Noun**
Det government raised interest rates	**Noun ->** government
The government raised interest rates	**Det ->** The

Table 1: Parsing the string 'The government raised interest rates.' as a sentence, according to the grammar E0

The internet gives everyone a voice.

List of items	Rule
S	
NP VP	**S -> NP VP**
NP Verb PP	**VP -> Verb PP**
NP Verb Prep NP	**PP -> Prep NP**
NP Verb Prep Det Noun	**NP -> Det Noun**
NP Verb Prep Det voice	**Noun ->** voice
NP Verb Prep a voice	**Det ->** a
NP Verb everyone a voice	**Prep ->** everyone
NP gives everyone a voice	**Verb ->** gives
Det Noun gives everyone a voice	**NP -> Det Noun**
Det internet gives everyone a voice	**Noun ->** internet
The internet gives everyone a voice	**Det ->** The

Table 2: Parsing the string 'The internet gives everyone a voice.' as a sentence, according to the grammar E0

The man saw the dog with the telescope.

List of items	Rule
S	
NP VP	**S -> NP VP**
NP VP NP	**VP -> VP NP**
NP Verb NP	**VP -> Verb**
NP Verb NP PP	**NP -> NP PP**
NP Verb NP Prep NP	**PP -> Prep NP**
NP Verb NP Prep Det Noun	**NP -> Det Noun**
NP Verb NP Prep Det telescope	**Noun ->** telescope
NP Verb NP Prep the telescope	**Det ->** the
NP Verb NP with the telescope	**Prep ->** with
NP Verb Det Noun with the telescope	**NP -> Det Noun**
NP Verb Det dog with the telescope	**Noun ->** dog
NP Verb the dog with the telescope	**Det ->** the

NP saw the dog with the telescope	**Verb ->** saw
Det Noun raised interest rates	**NP -> Det Noun**
Det man saw the dog with the telescope	**Noun ->** man
The man saw the dog with the telescope	**Det ->** The

Table 3: Parsing the string 'The man saw the dog with the telescope.' as a sentence, according to the grammar E0

References:

Zimmerman, V. (2019) Towards Data Science. Getting to Grips with Parse Trees Available from: https://towardsdatascience.com/getting-to-grips-with-parse-trees-6e19e7cd3c3c Accessed [28.06 2023]

(Zimmerman, 2019)

Russell, S. J. & Norvig, P. (2021) *Artificial intelligence : a modern approach*. Fourth edition / contributing writers, Ming-Wei Chang [and eight others]. Upper Saddle River: Pearson.

(Russell & Norvig, 2021)