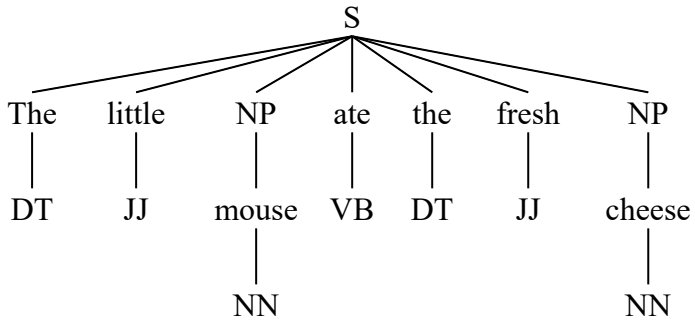
In [1]:
```
import nltk
from nltk.tokenize import word_tokenize
from nltk.tokenize import RegexpTokenizer
import os
path_to_gs = "C:/Program Files/gs/gs9.25/bin"
os.environ['PATH']+=os.pathsep+path_to_gs
```

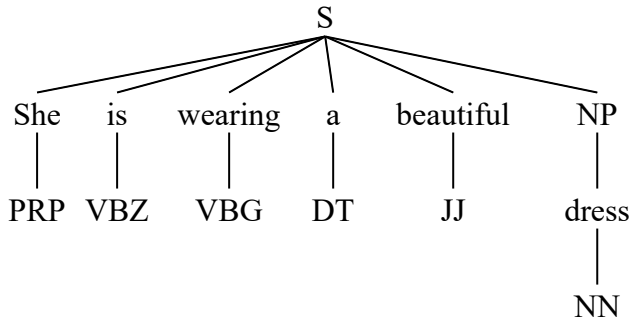
In [2]:
```
sent="The little mouse ate the fresh cheese"
sent_tokens=nltk.pos_tag(word_tokenize(sent))
grammar_np=r"NP:{<DT>?<]]>*<NN>}"
chunk_parser=nltk.RegexpParser(grammar_np)
chunk_result=chunk_parser.parse(sent_tokens)
chunk_result
```

Out[2]:



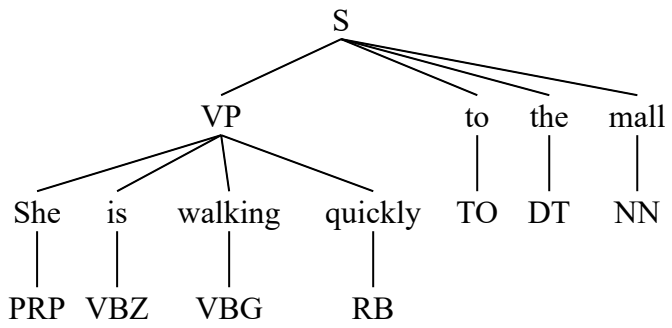
In [3]:
```
sent2="She is wearing a beautiful dress"
sent2_tokens=nltk.pos_tag(word_tokenize(sent2))
chunk2_result=chunk_parser.parse(sent2_tokens)
chunk2_result
```

Out[3]:



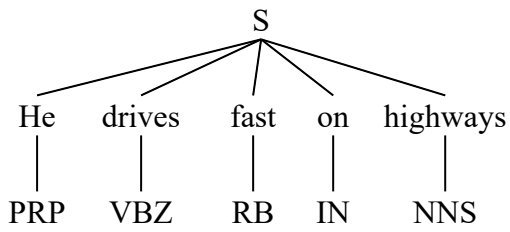
In [4]:
```
sent3="She is walking quickly to the mall"
sent3_tokens=nltk.pos_tag(word_tokenize(sent3))
grammar_np=r"VP:{<PRP>?<VB|VBZ|VBG>*<RB|RBR>?}"
chunk3_parser=nltk.RegexpParser(grammar_np)
chunk3_result=chunk3_parser.parse(sent3_tokens)
chunk3_result
```

Out[4]:



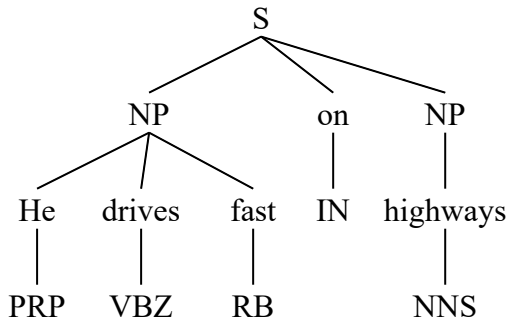
In [5]:
```
sent4="He drives fast on highways"
sent4_tokens=nltk.pos_tag(word_tokenize(sent4))
chunk4_result=chunk_parser.parse(sent4_tokens)
chunk4_result
```

Out[5]:



In [6]:
```
chink_grammar = r"""
  NP:
    {<.*>+}            # Chunk everything
    }<VBD|IN>+{        # Chink sequences of VBD and IN
    """
sent4 = "He drives fast on highways"
sent4_tokens=nltk.pos_tag(word_tokenize(sent4))
chunk4_parser=nltk.RegexpParser(chink_grammar)
chunk4_result=chunk4_parser.parse(sent4_tokens)
chunk4_result
```

Out[6]:



In [ ]: