

Jupyter chunking Last Checkpoint: a minute ago (unsaved changes)

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Not Trusted Python 3 (ipykernel)

```
In [1]: import nltk

In [2]: sentence = [("the", "DT"), ("little", "JJ"), ("yellow", "JJ"), ("dog", "NN"),
                    ("barked", "VBD"), ("at", "IN"), ("the", "DT"), ("cat", "NN")]

In [3]: grammar = "NP: {<DT>?<JJ>*<NN>}"
          #productions from cfg for NP and VP

In [4]: cp = nltk.RegexpParser(grammar)

In [*]: result = cp.parse(sentence)
          print(result)

In [*]: result.draw()

In [ ]:
```

NLTK

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```
graph TD
    S --> NP1[NP]
    S --> barked[barked VBD]
    S --> at[at IN]
    S --> NP2[NP]
    NP1 --> the1[the DT]
    NP1 --> little[little JJ]
    NP1 --> yellow[yellow JJ]
    NP1 --> dog[dog NN]
    NP2 --> the2[the DT]
    NP2 --> cat[cat NN]
```

