Computer Science
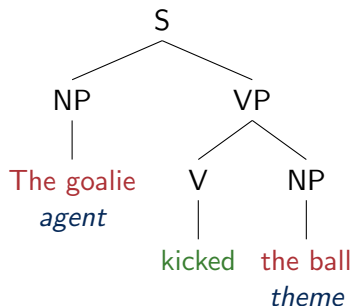
SubCat, Gap and Movement

CSC485/2501

December 2, 2022

The Active Voice

The goalie kicked the ball.

```
                    S
                   / \
                  /   \
                NP     VP
                |     /  \
                |    /    \
            The goalie  V    NP
             agent     |     |
                    kicked  the ball
                             theme
```
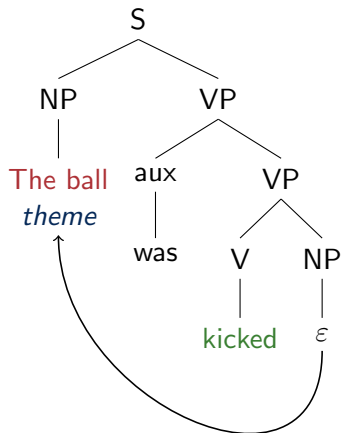
sem:(kick, agent:goalie, theme:ball)
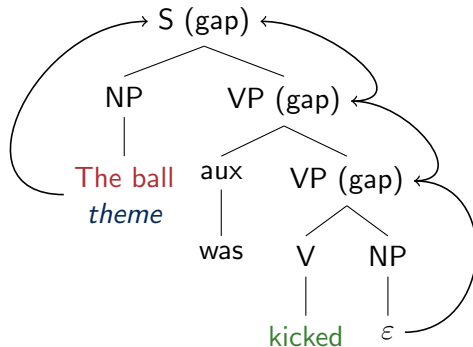
(Review lecture 5a)

The Passive Voice

The ball was kicked.


```
sem:(kick, agent:?, theme:ball)
```

The Passive Voice

The ball was kicked.


```
sem:(kick, agent:?, theme:ball)
```

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The Passive Voice

- The empty category.
  ```
  empty (np, sem:Sem, gap:(np, sem:Sem, gap:none)).
  ```

- The 'gap' feature and the 'gap_struc' type.
  ```
  gap:gap_struc.
  gap_struc sub [none, np].
  ```

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