

Anno ncemen

Li

| |

Working with Li

Working with Li

Working with Li

* *

Working with Li

* *

Working with Li

* *

()

Working with Li

* *

()

Working with Li

* *

()

Working with Li

* *

()

()

Working with Li

* *

()

()

Working with Li

* *

()

()

*

Working with Li

* *

()

()

*

(())

Working with Li

* *

()

()

*

(())

Working with Li

()

Con aine

Con aine

Con aine

Con aine

Con aine

in

Con aine

in

in

Contain

in

in

not in

Con aine

`in`

`in`

`not in`

`not(in)`

Con aine

```
in
in
not in
not( in )
```

()

Fo S a emen

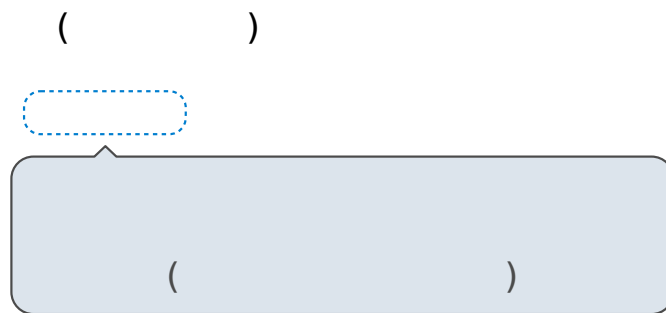
()

Science 1 e a ion

Sequence I e a ion

()

Sequence I.e a ion



Fo S a emen E ec ion P oced e

Fo S a emen E ec ion P oced e

Fo S a emen E ec ion P oced e

()

Fo S a emen E ec ion P oced e

()

Fo S a emen E ec ion P oced e

()

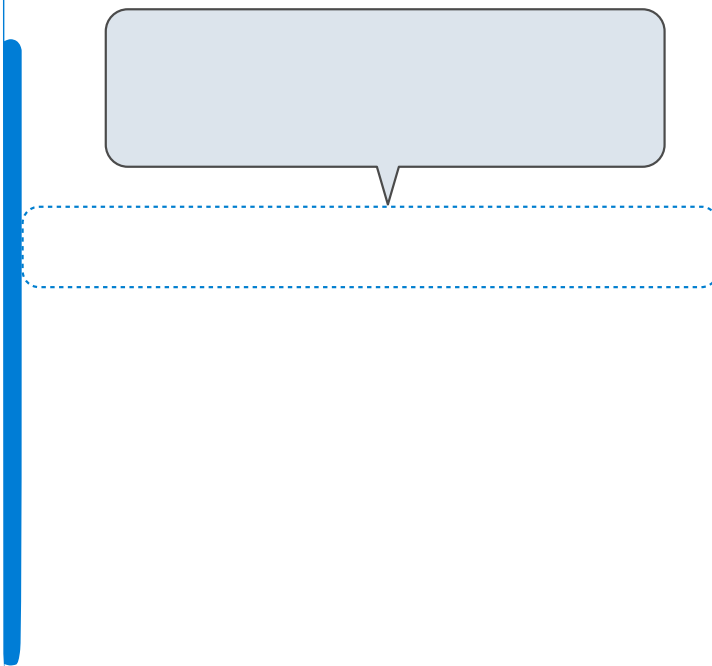
Fo S a emen E ec ion P oced e

()

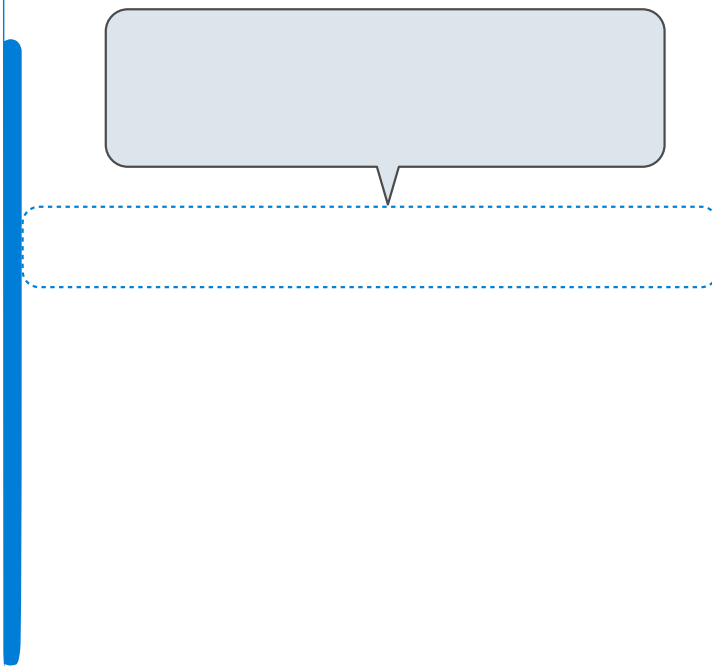
Sequence Unpacking in For Statements

Sequence Unpacking in For Statements

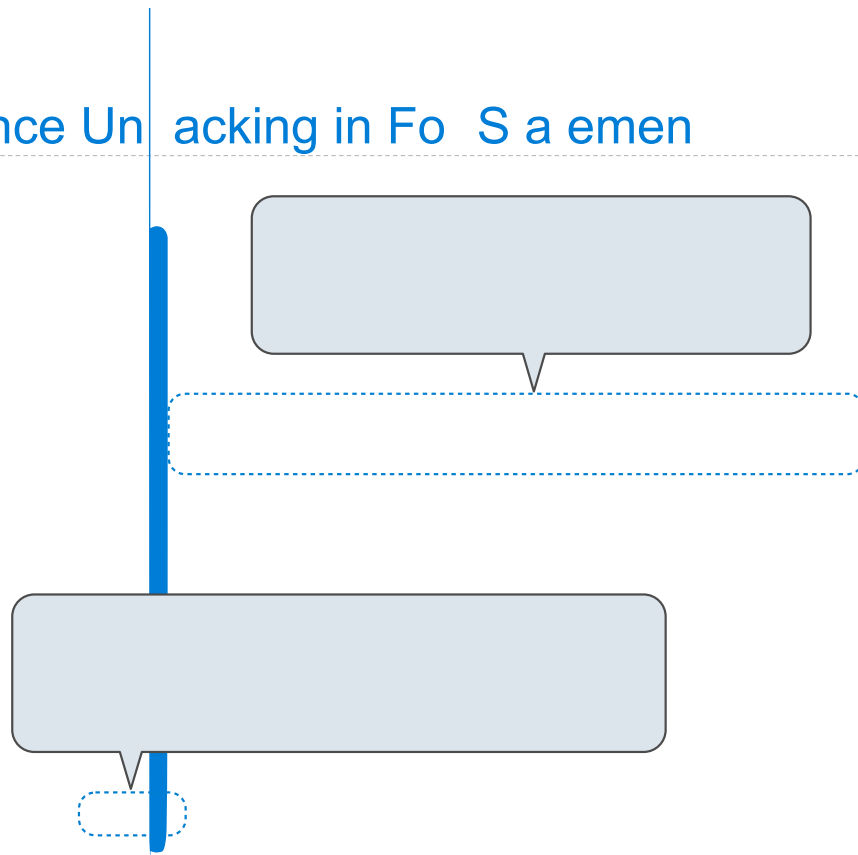
Sentence Unpacking in Formal Semantics



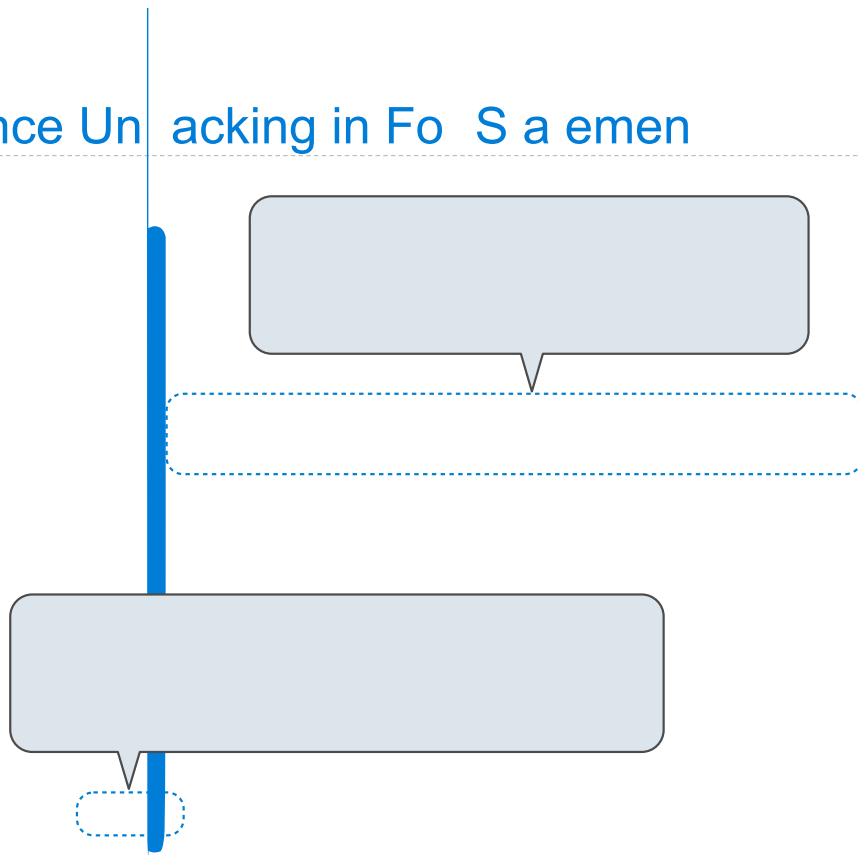
Sentence Unpacking in Formal Semantics



Sentence Unpacking in Formal Semantics



Sentence Unpacking in Formal Semantics



Range

The Range T e

*

The Range T e

*

*

U

The Range T e

*

*

U

The Range T e

*

()

*

U

The Range T e

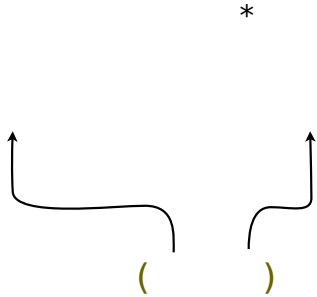


*

*



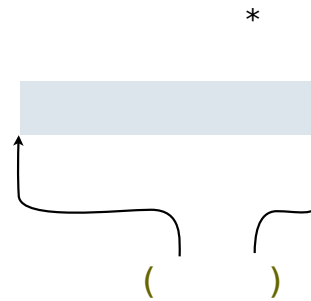
The Range T e



*



The Range T e

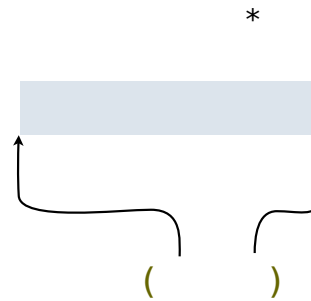


*

U

The Range T e

Length



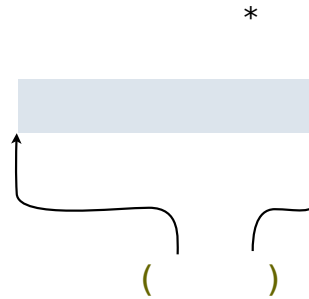
*

U

The Range T e

Length

Element selection



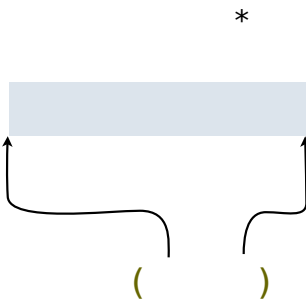
*

U

The Range T e

Length

Element selection



(())

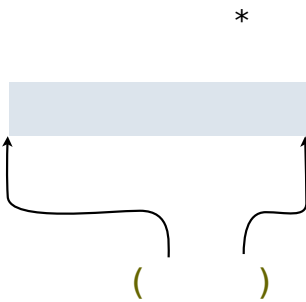
(())

*

U

The Range T e

Length
Element selection



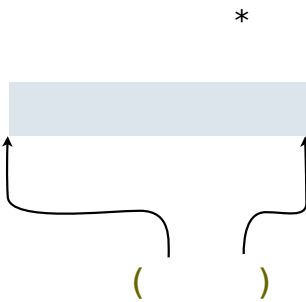
*



The Range T e

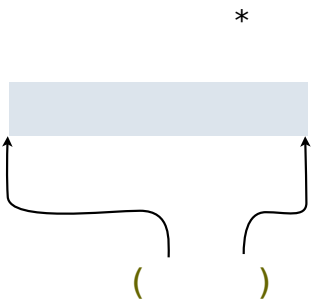
Length

Element selection



*

The Range T e



Length

()

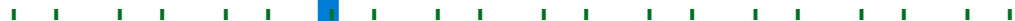
Element selection



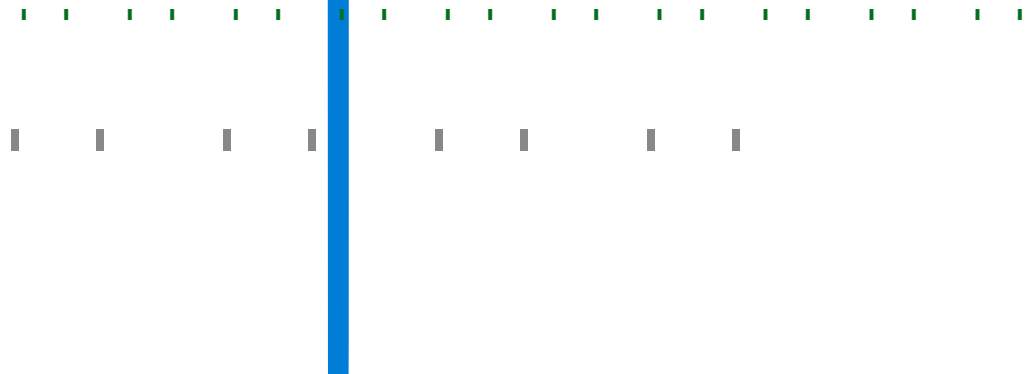
*

Li Com ehen ion

Li Com ehen ion



Li Com ehen ion



Li Com ehen ion



Li Com ehen ion



Li Com ehen ion



Li Com ehen ion



Li Com ehen ion



Li Com ehen ion

result list

Li Com ehen ion

result list

Li Com ehen ion

result list

Li Com ehen ion

result list



E am le: P omo ed

Filter in Line

promoted **s** **s** **e** **f(e)** **f**

```
def promoted(s, f):  
    """Return a list with the same elements as s, but with all  
    elements e for which f(e) is a true value placed first.  
  
    >>> promoted(range(10), odd) # odds in front  
    [1, 3, 5, 7, 9, 0, 2, 4, 6, 8]  
    """  
    return _____
```

Fi in Line

promoted s e f(e) f

```
def promoted(s, f):  
    """Return a list with the same elements as s, but with all  
    elements e for which f(e) is a true value placed first.  
  
    >>> promoted(range(10), odd) # odds in front  
    [1, 3, 5, 7, 9, 0, 2, 4, 6, 8]  
    """  
    return [e for e in s if f(e)] + [e for e in s if not f(e)]
```