

ARGUMENT NUANCES

SETUP

- In Python function invocations, *copies* of the values of arguments are used to initialize the parameters. This style of parameter passing is known as *pass by value*.
- Because copies are used, the values of the arguments *cannot* be modified within the function being invoked.

PYTHON FILES

Program `cautionary.py`

```
import tale

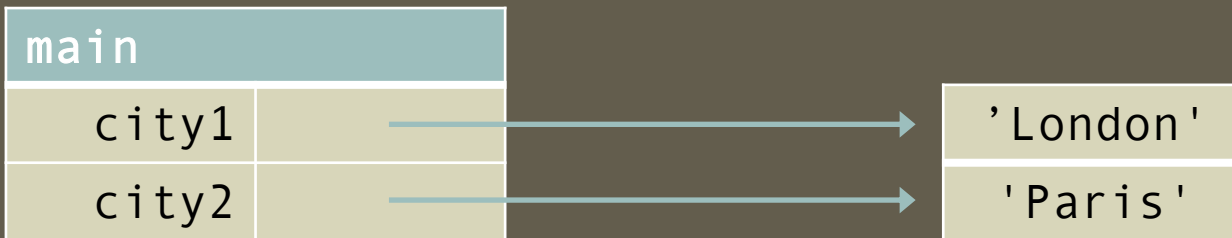
city1 = 'London'
city2 = 'Paris'

tale.f( city1, city2 )

print( city1, city2 )
```

Module `tale.py`

```
def f( x, y ) :
    rmb = x
    x = y
    y = rmb
```



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Program wipe.py

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nbrs = [ 3, 1, 4 ]

zero.out( nbrs )

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Module zero.py

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def out( x ) :
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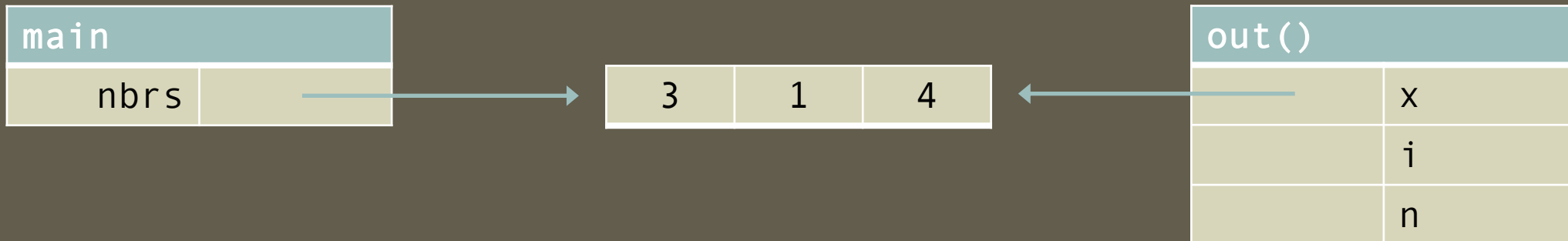
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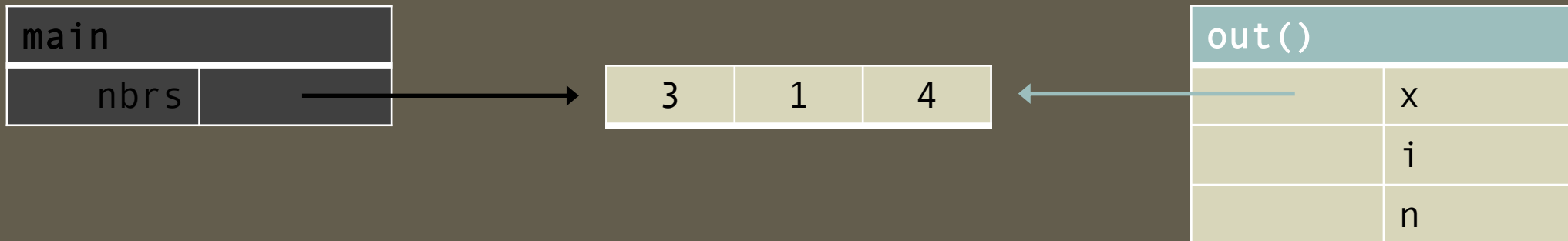
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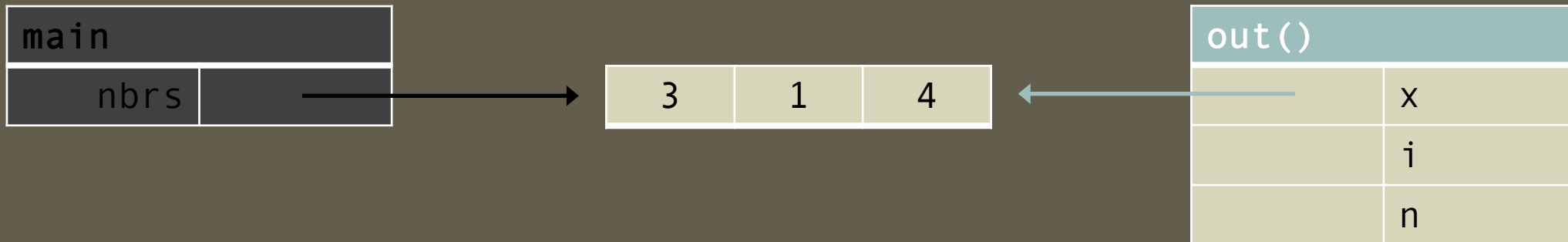
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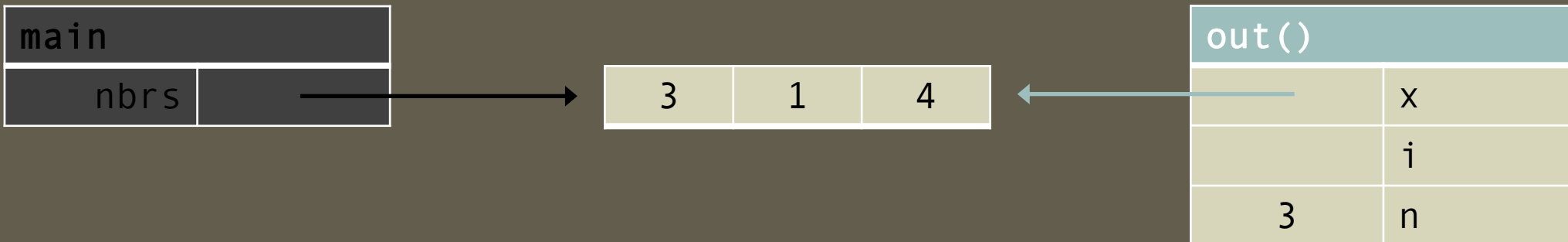
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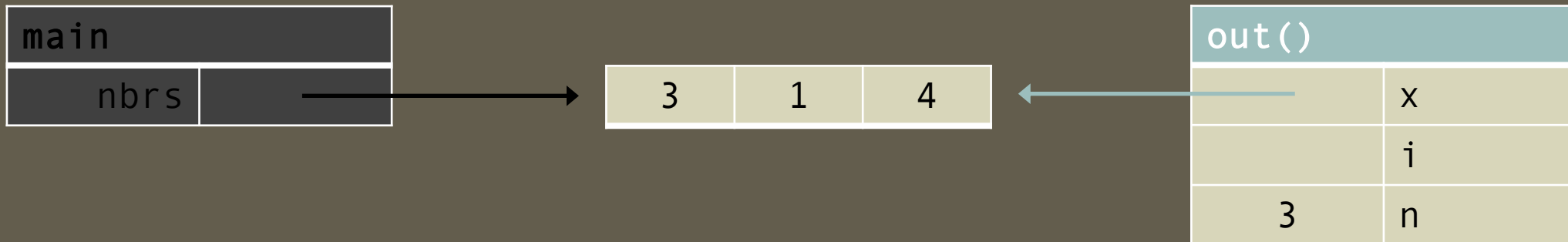
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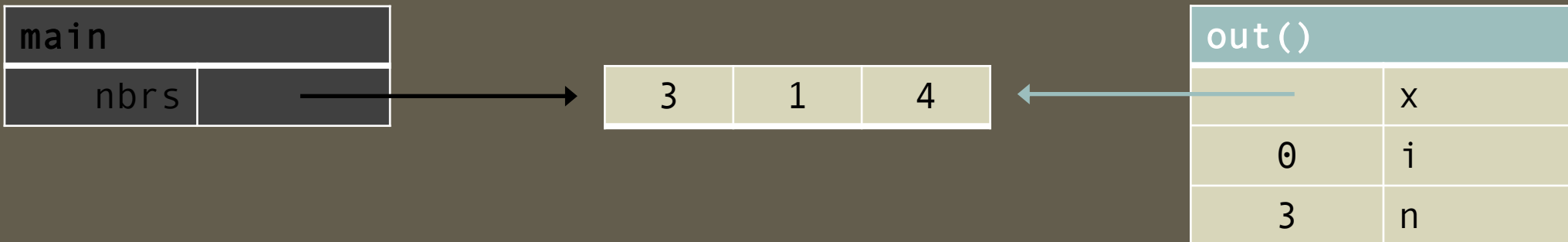
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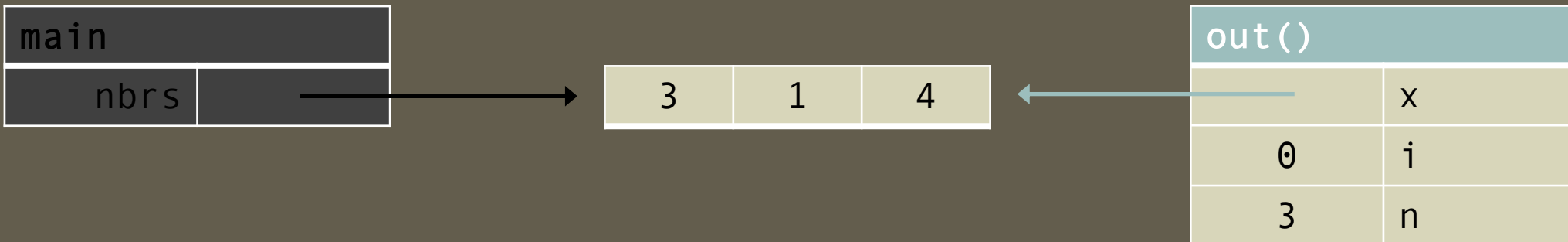
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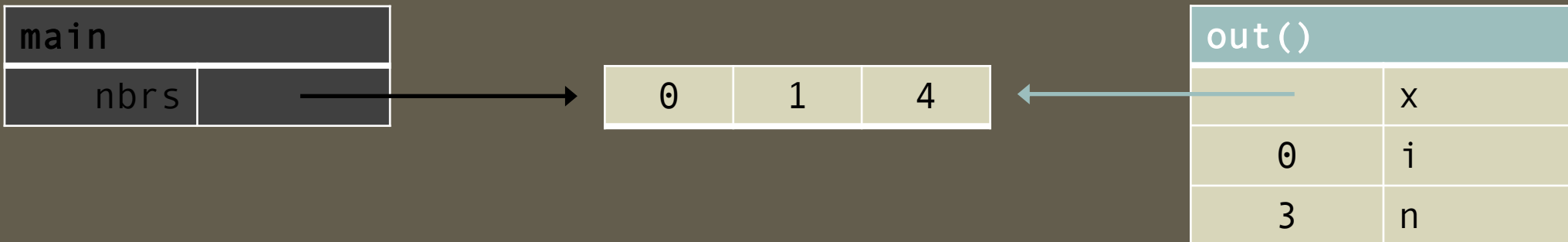
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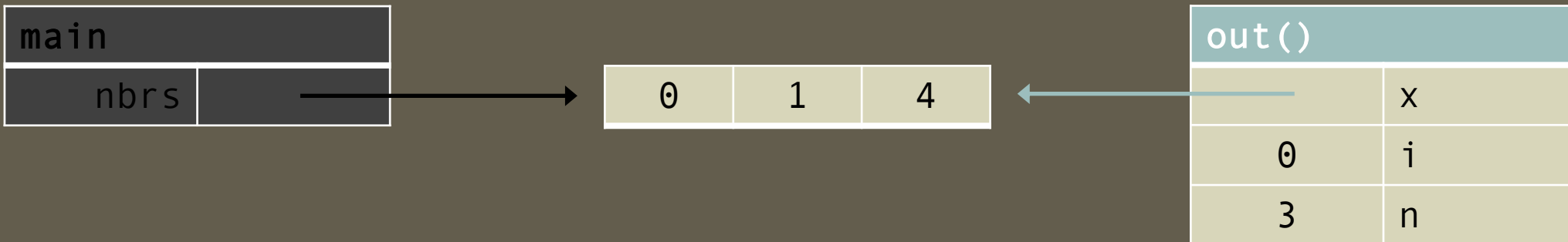
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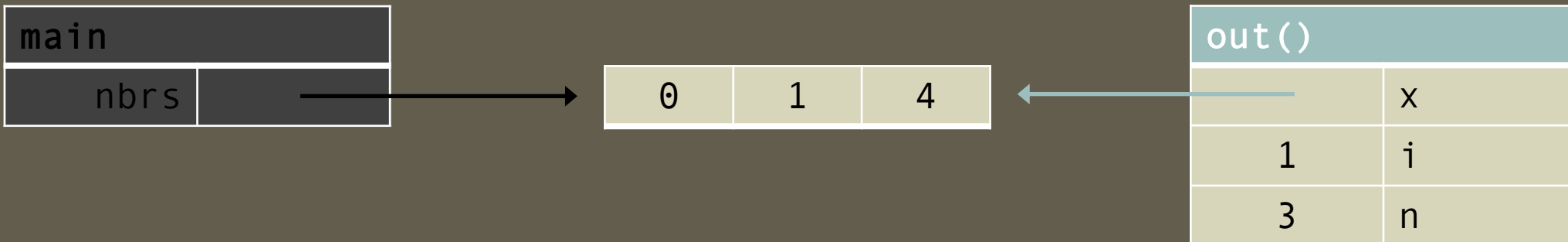
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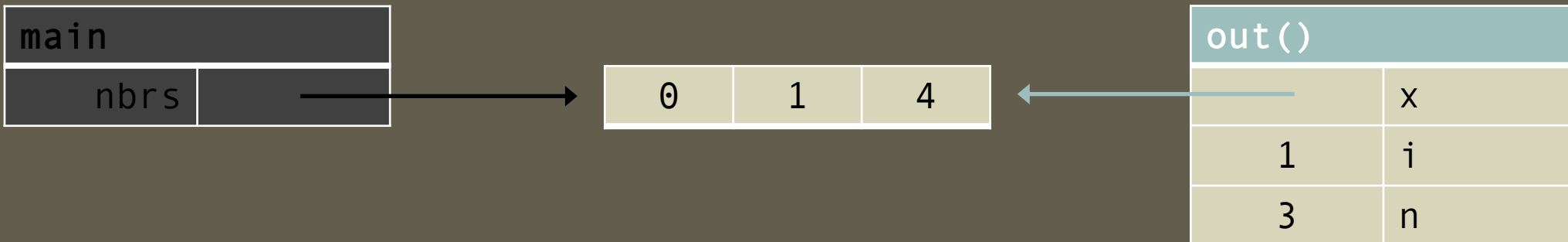
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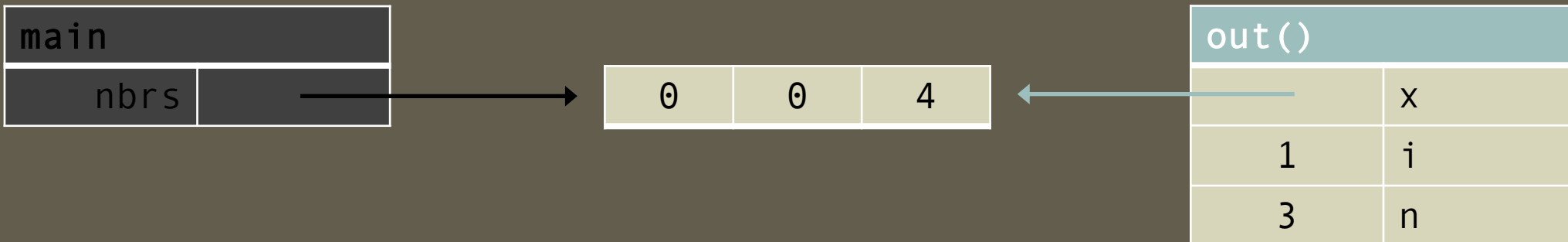
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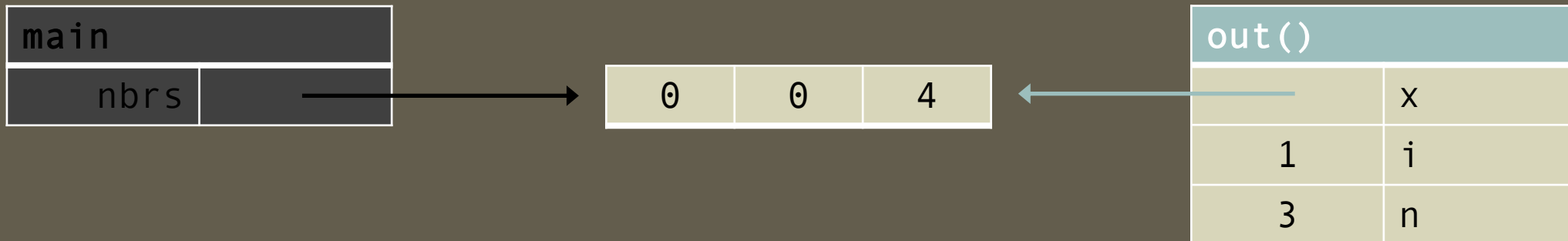
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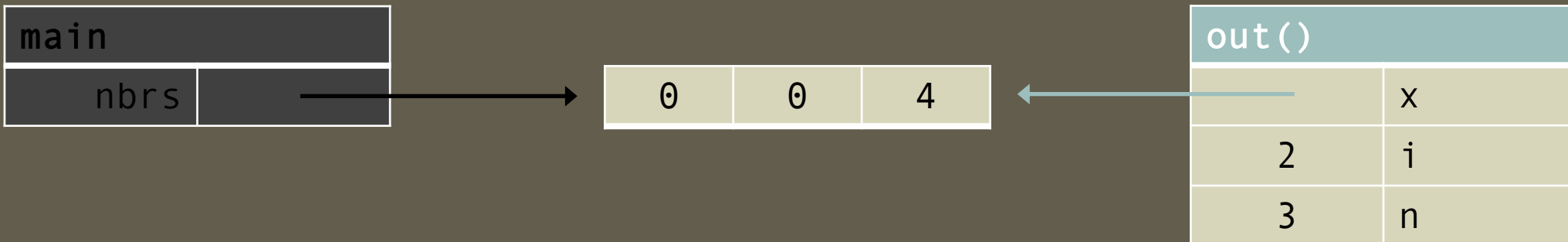
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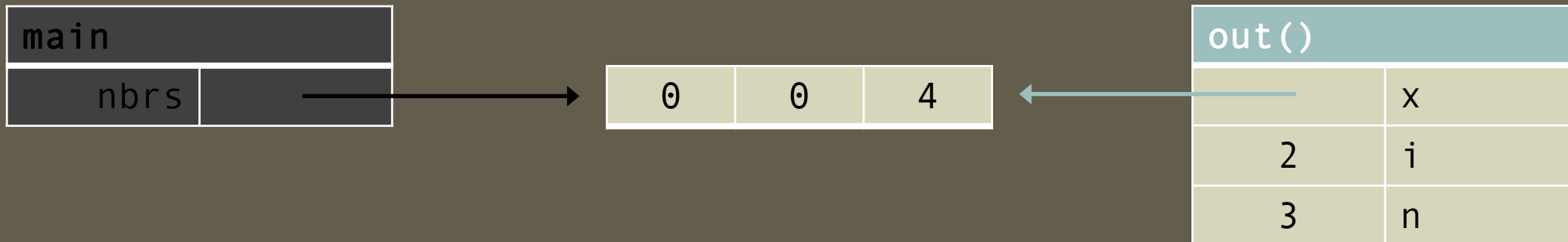
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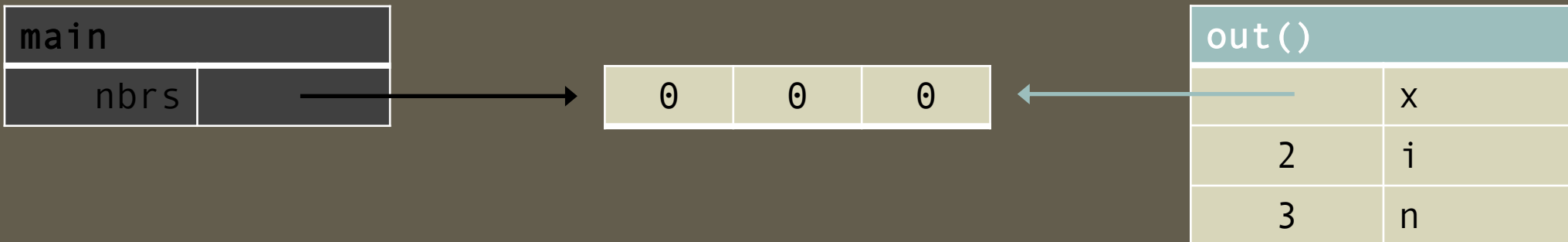
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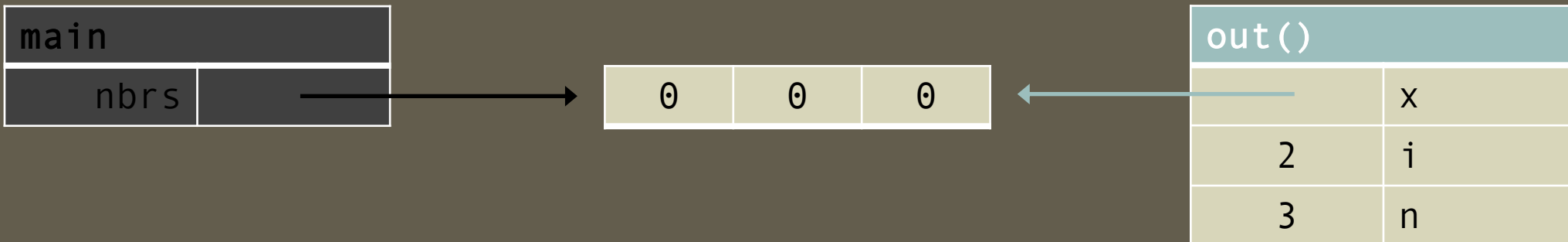
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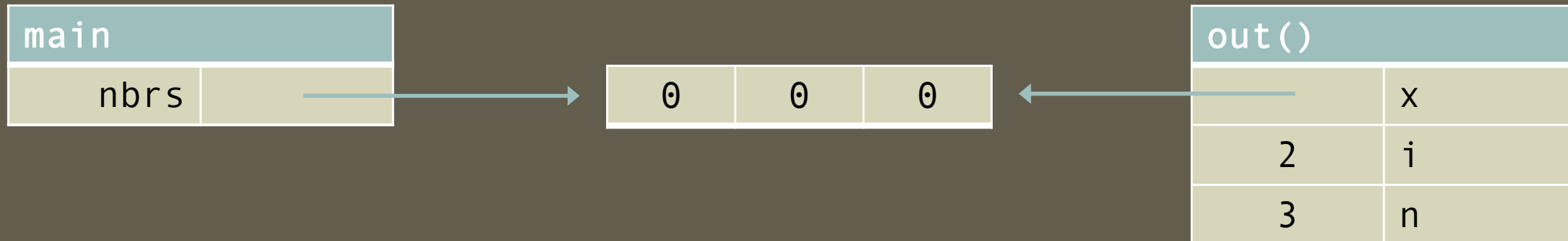
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