Introducción a D3: *Data Join*

IIC2026 - Visualización de Información

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Contenidos

`.data()`

```
.data()
```

.data()

```
selection.data(data)
```

.data()

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```

Método de objeto `selection` de **D3**. Recibe como primer argumento un arreglo de objetos `data`.

`.data()`

```
selection.data(data)
```

Método de objeto `selection` de **D3**. Recibe como primer argumento un arreglo de objetos `data`.

> *"Joins the specified array of data with the selected elements..."*
>
> - Documentación de `d3-selection`

Data join

`selection` es un objeto que contiene elementos **HTML**:

Data join

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Data join

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`selection.data(data)` retorna la selección de elementos **HTML** de `selection` con los datos de `data` asociados:

Data join

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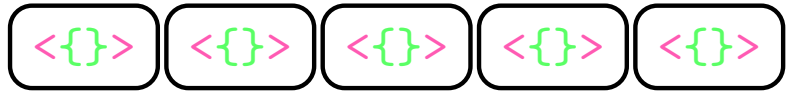
`data` es un arreglo que contiene objetos con información:

`selection.data(data)` retorna la selección de elementos **HTML** de `selection` con los datos de `data` asociados:



Data Join

`selection`

Data Join

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`data`

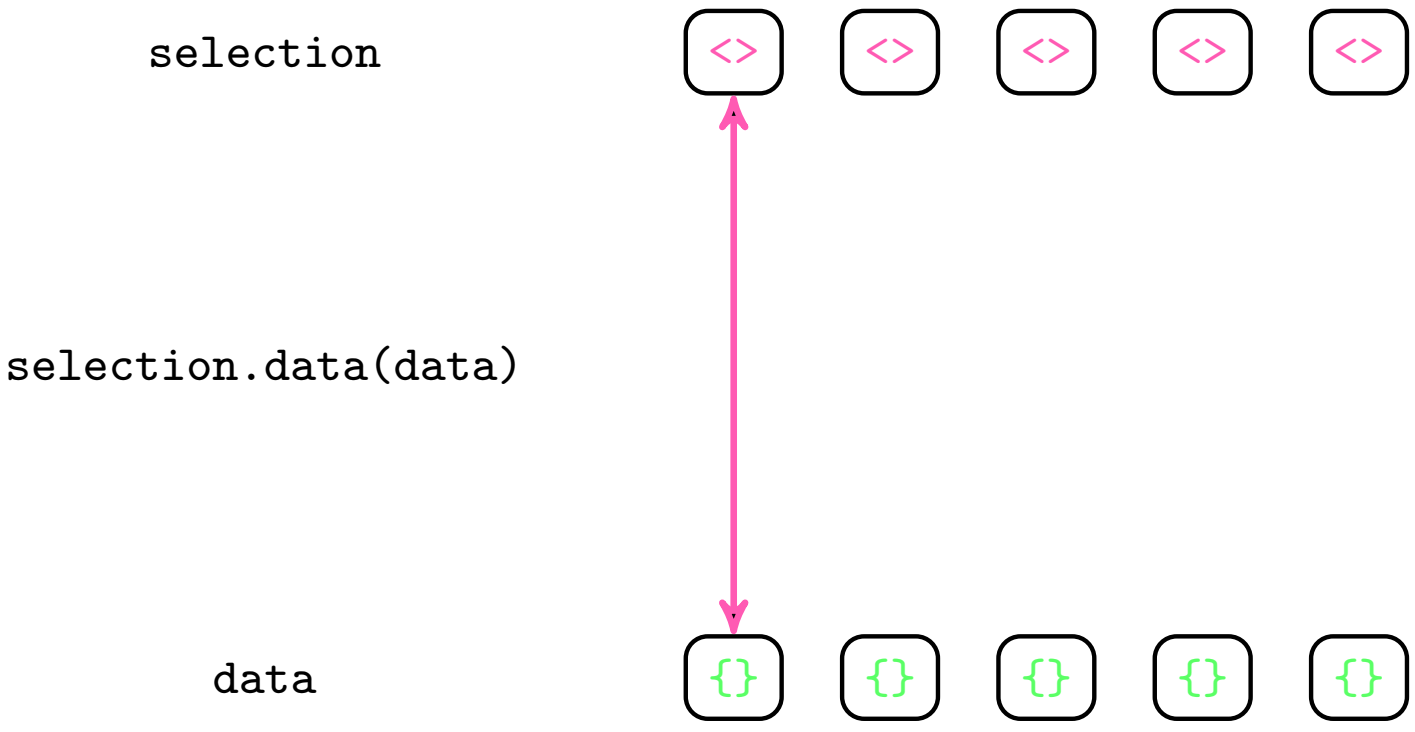
Data Join

`selection`

`selection.data(data)`

`data`

Data Join



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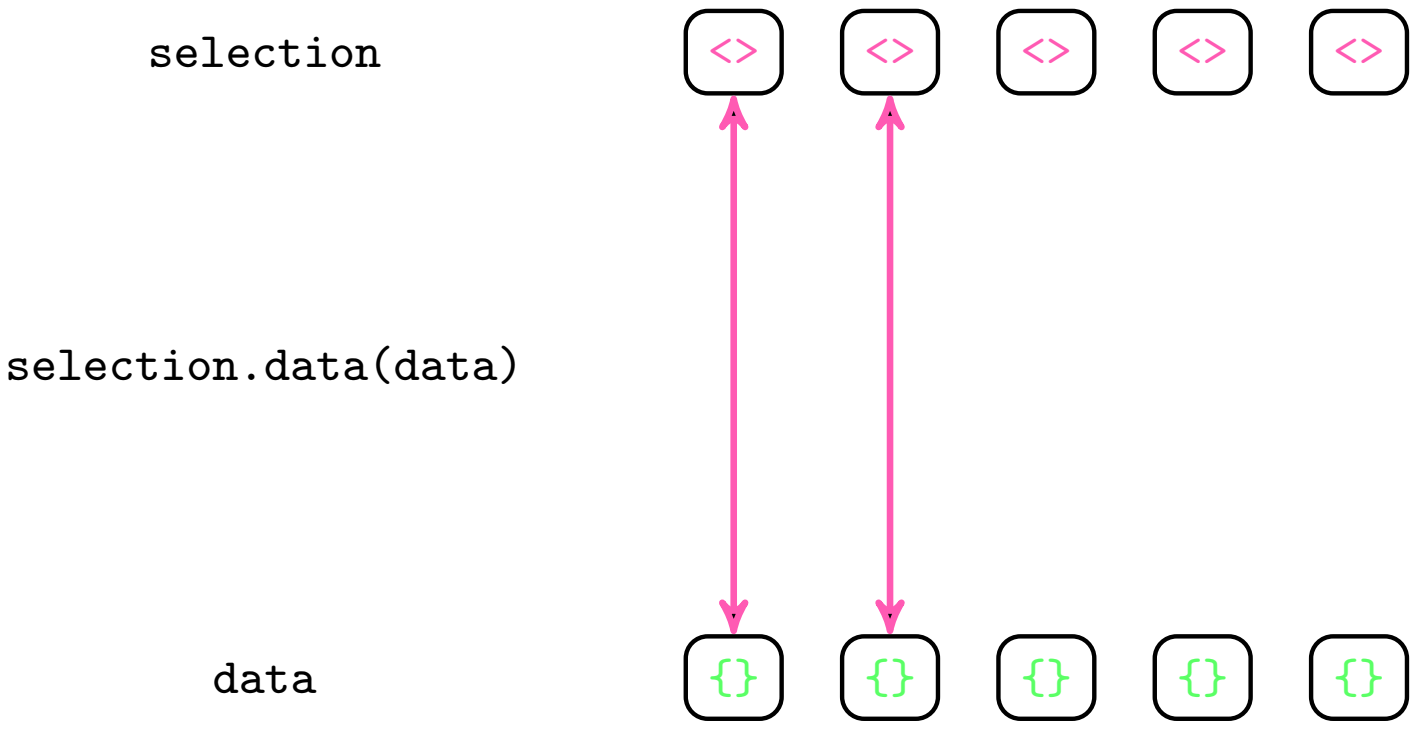
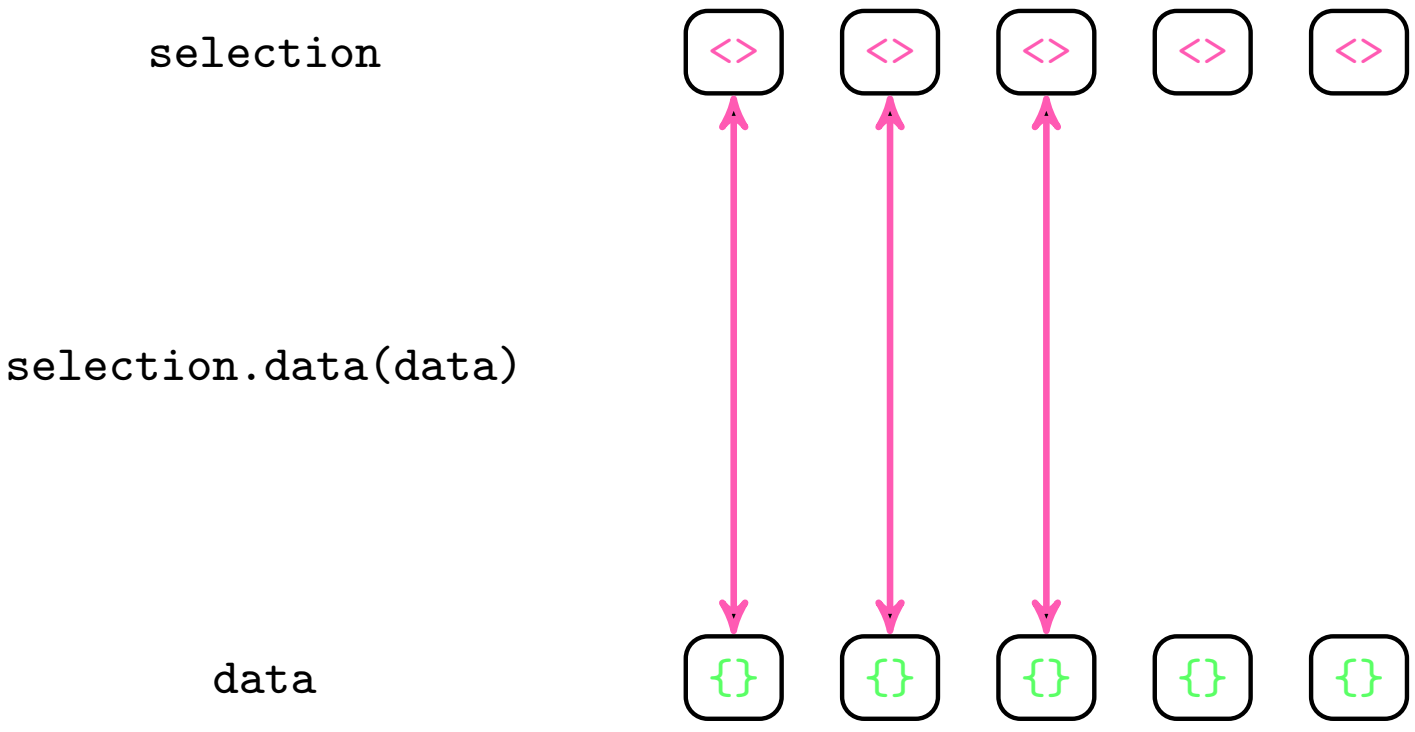


Data Join



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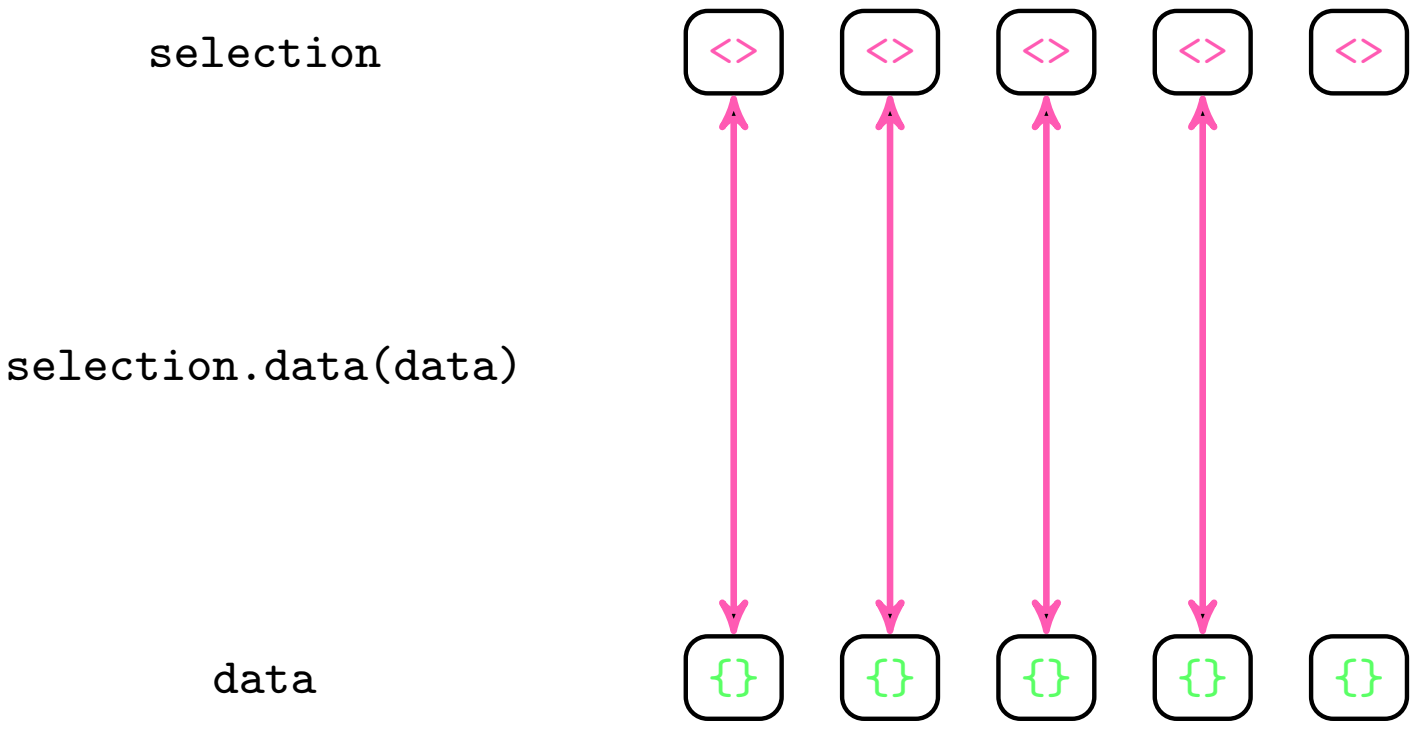

Data Join

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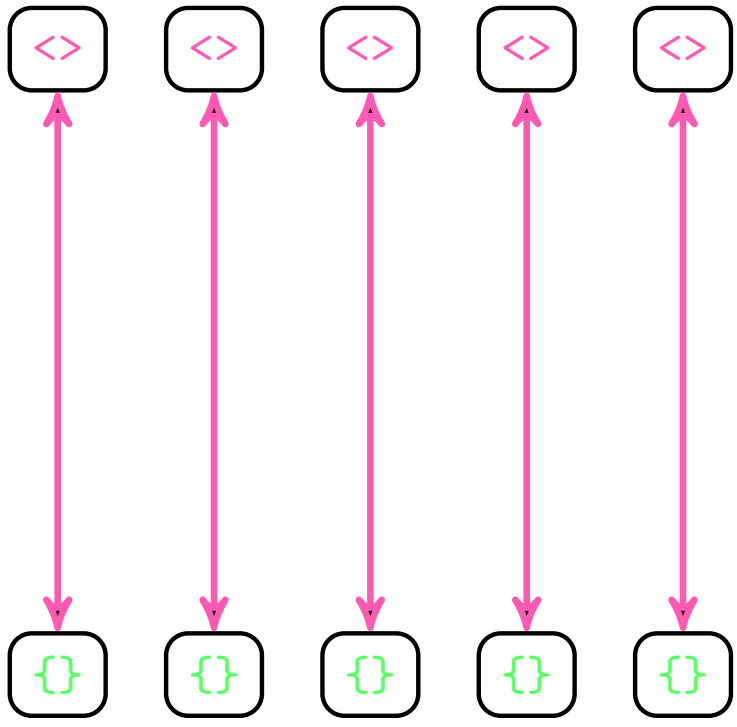
`data`



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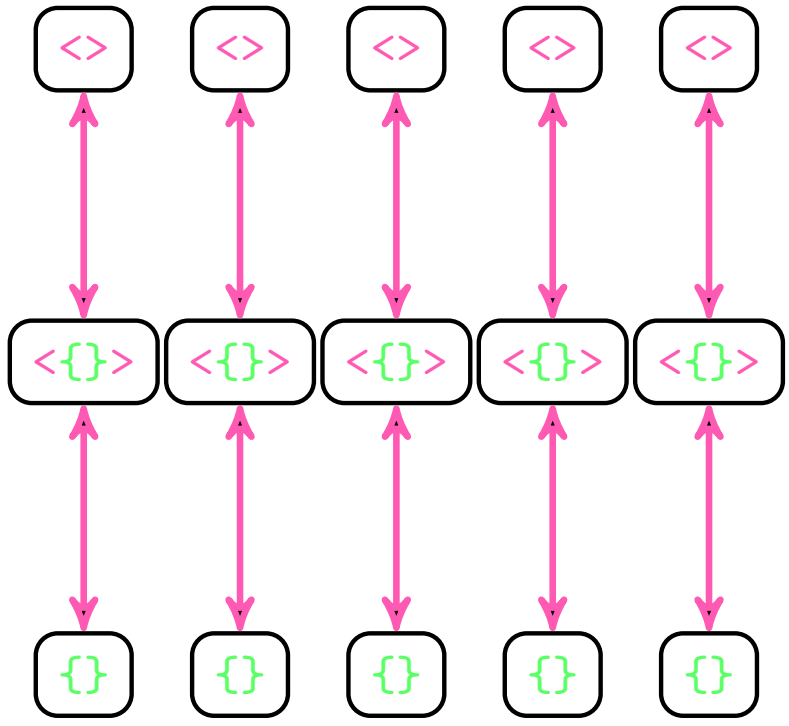
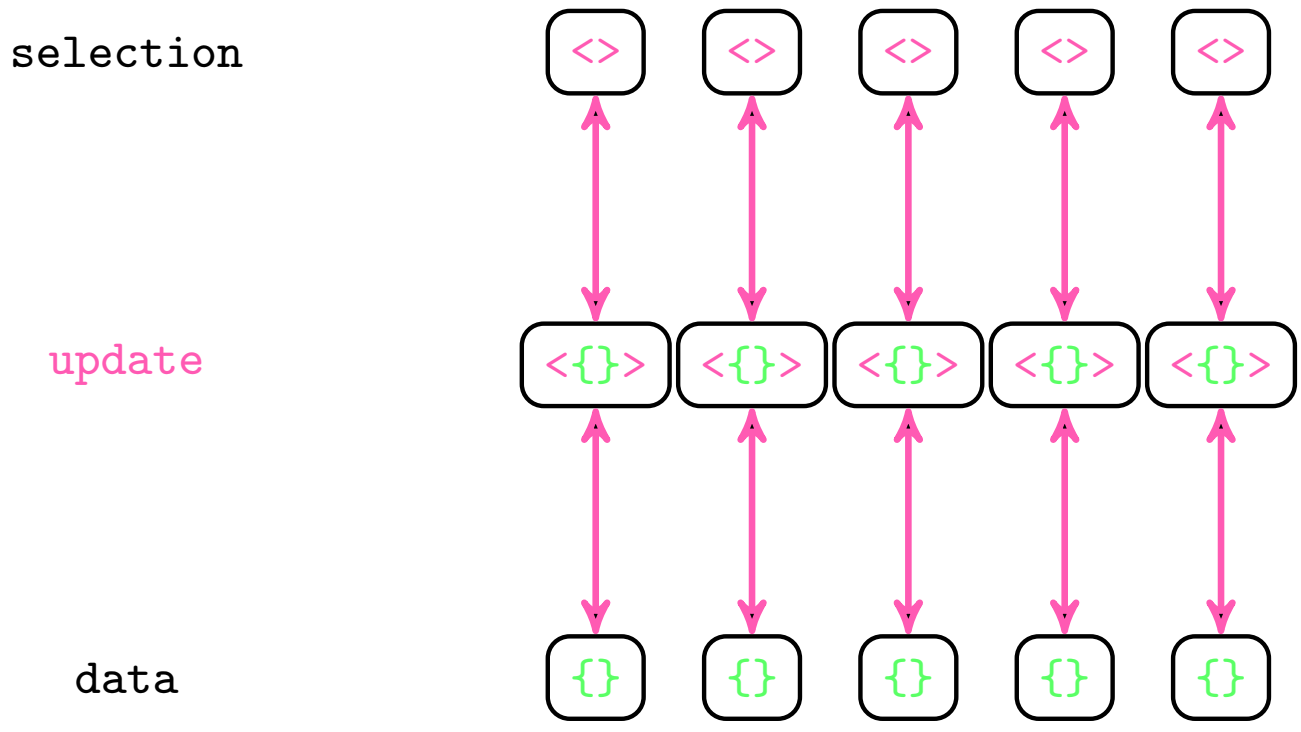


Data Join



Data Join

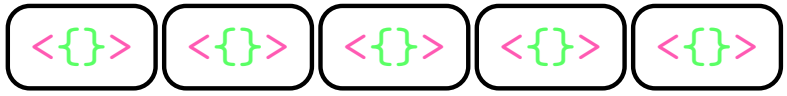
```
selection

update

data
```

Data Join

`selection`

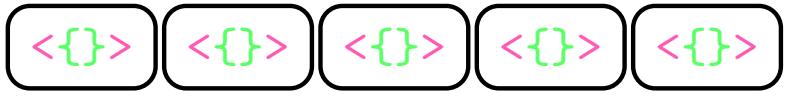


`update`

`data`

Data Join

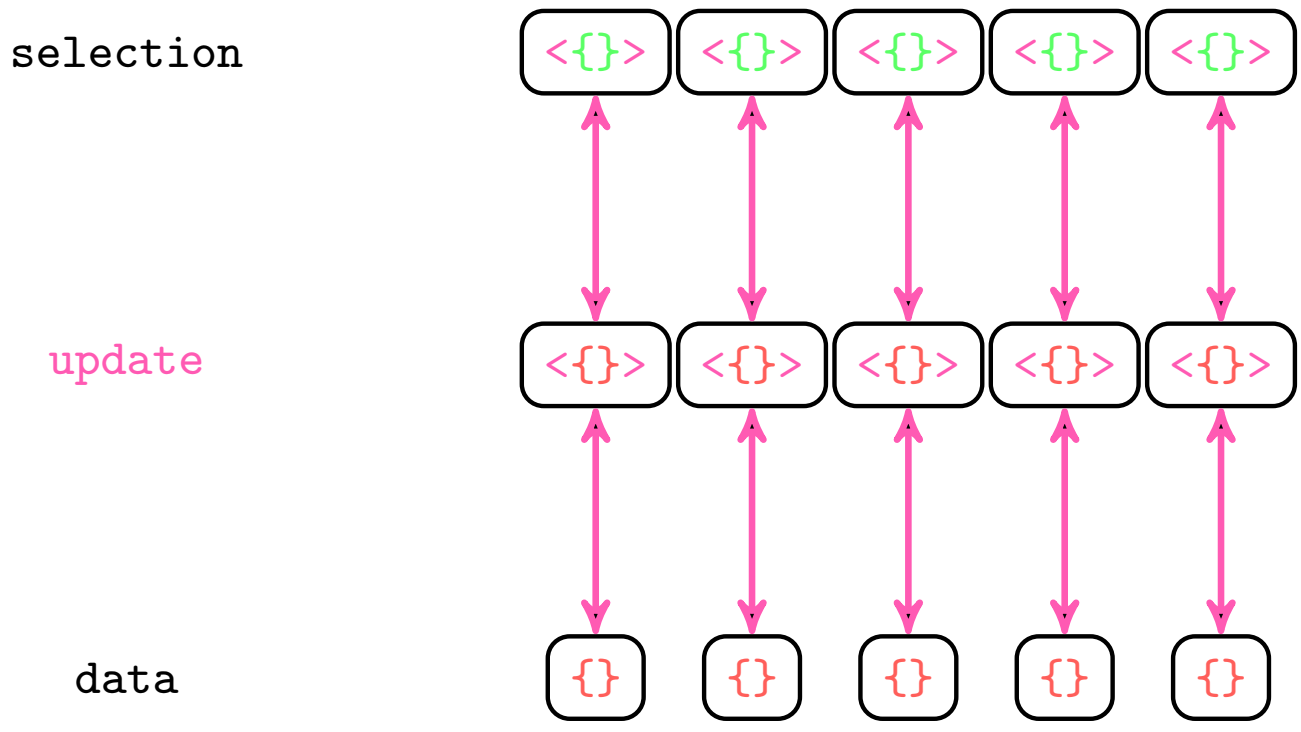
`selection`



`update`

`data`

Data Join



Data Join

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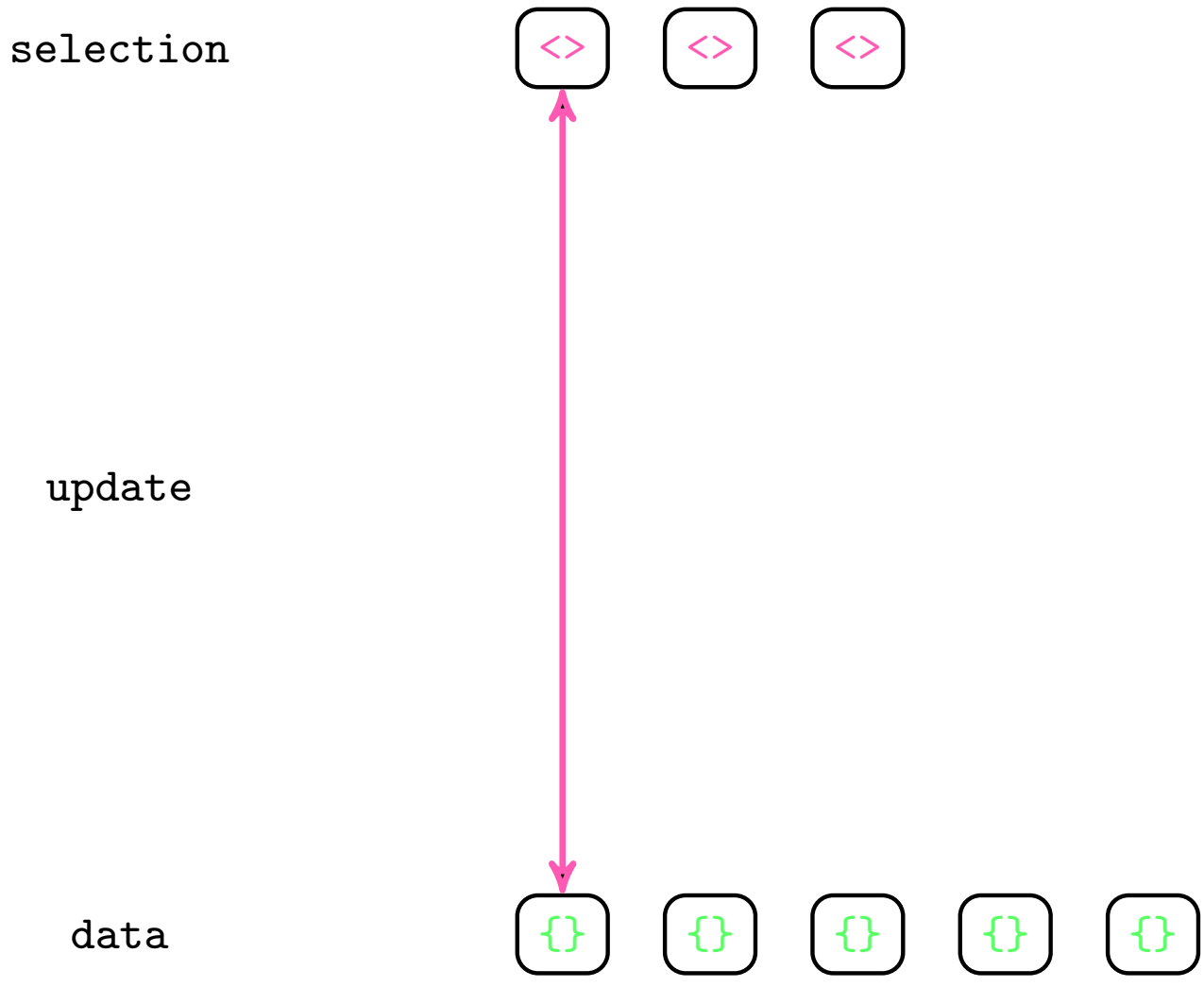
Data Join



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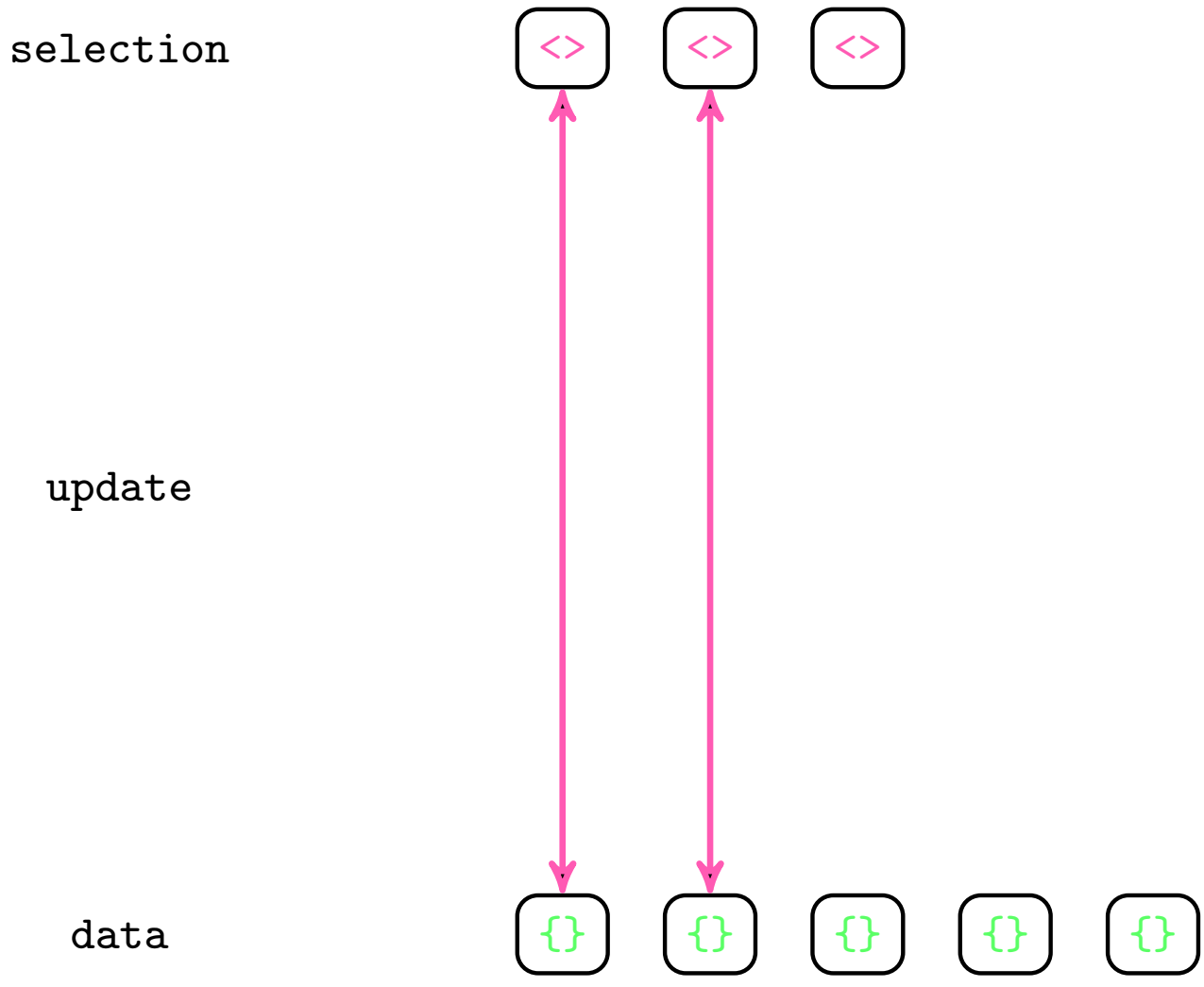

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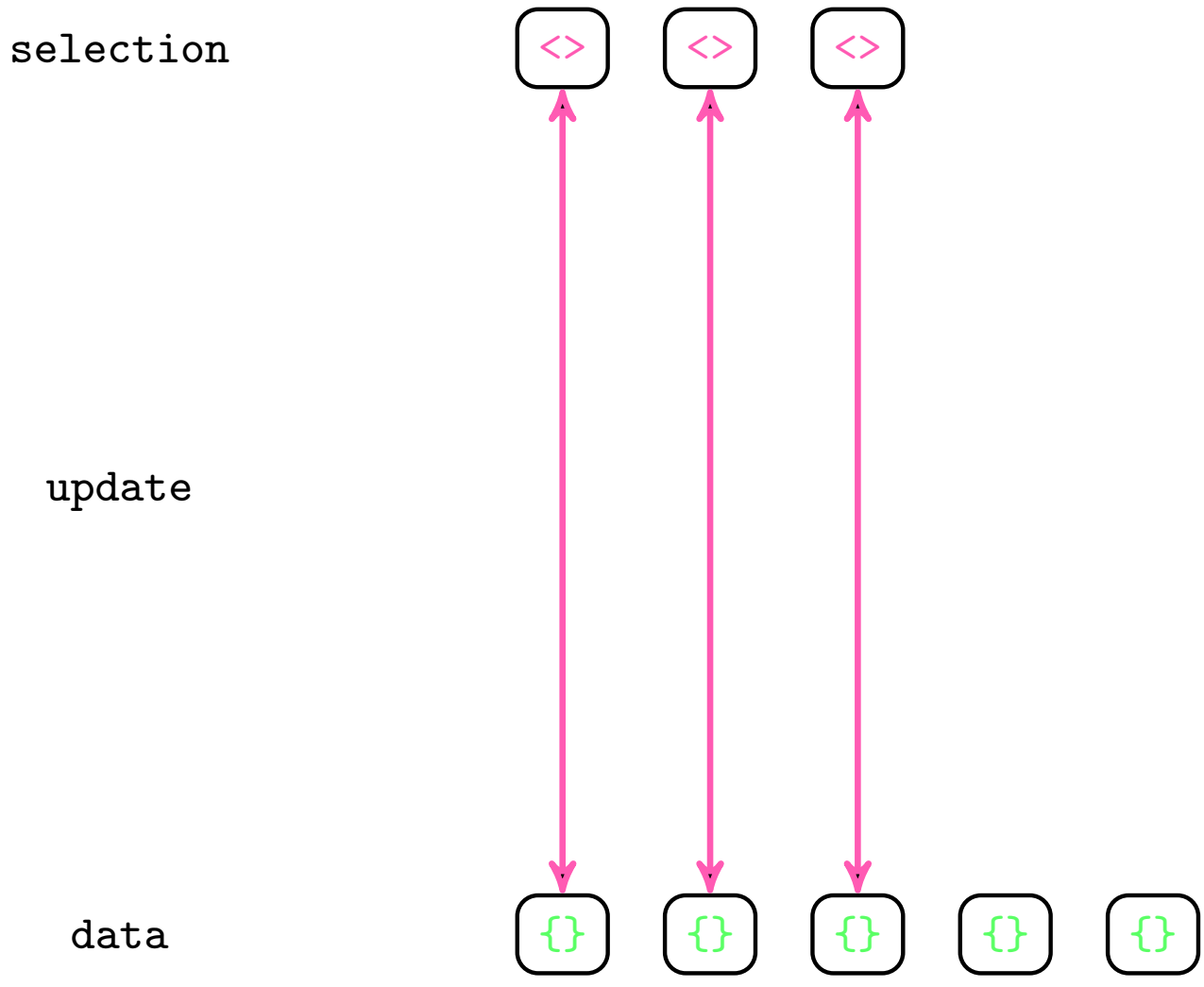

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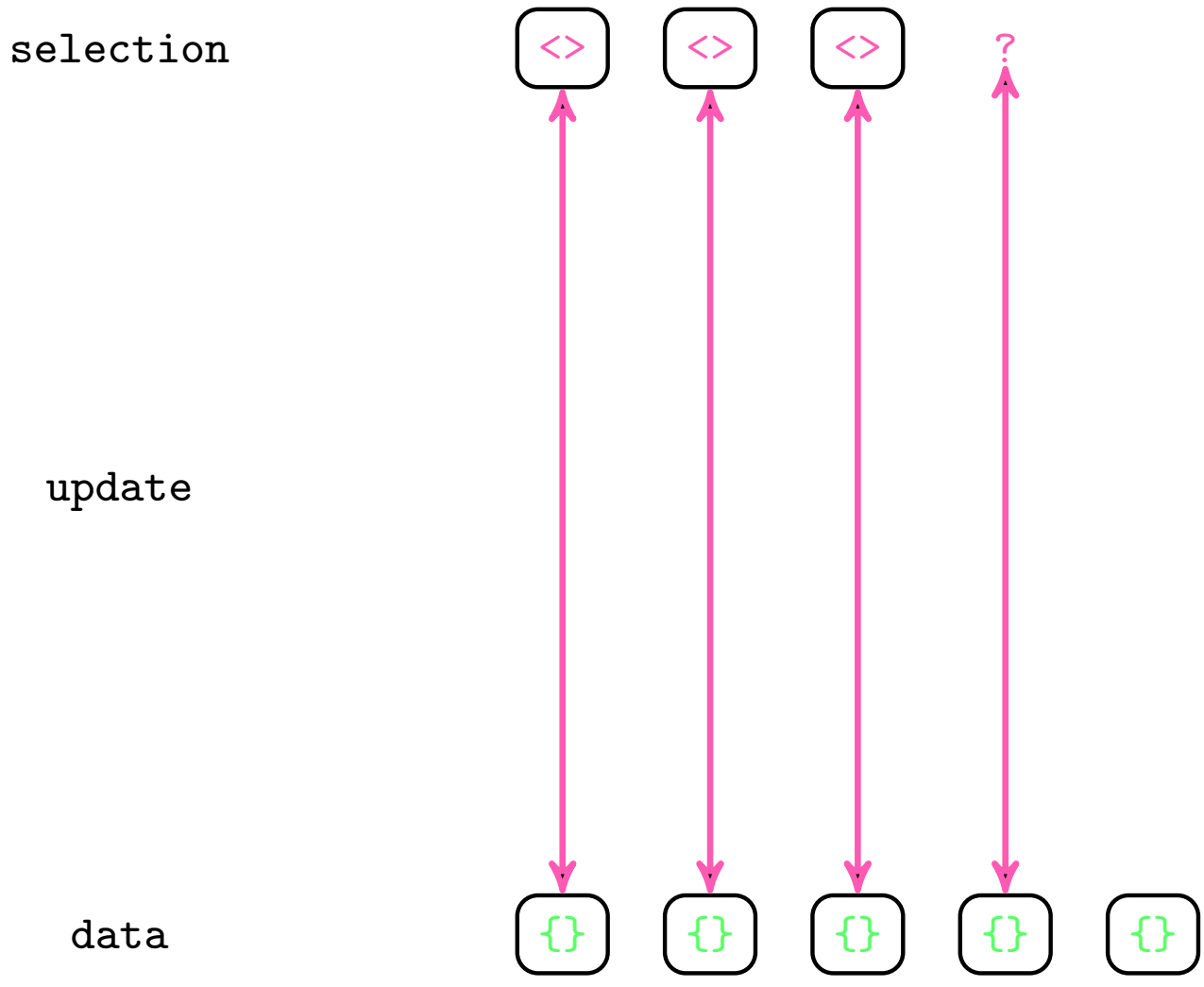

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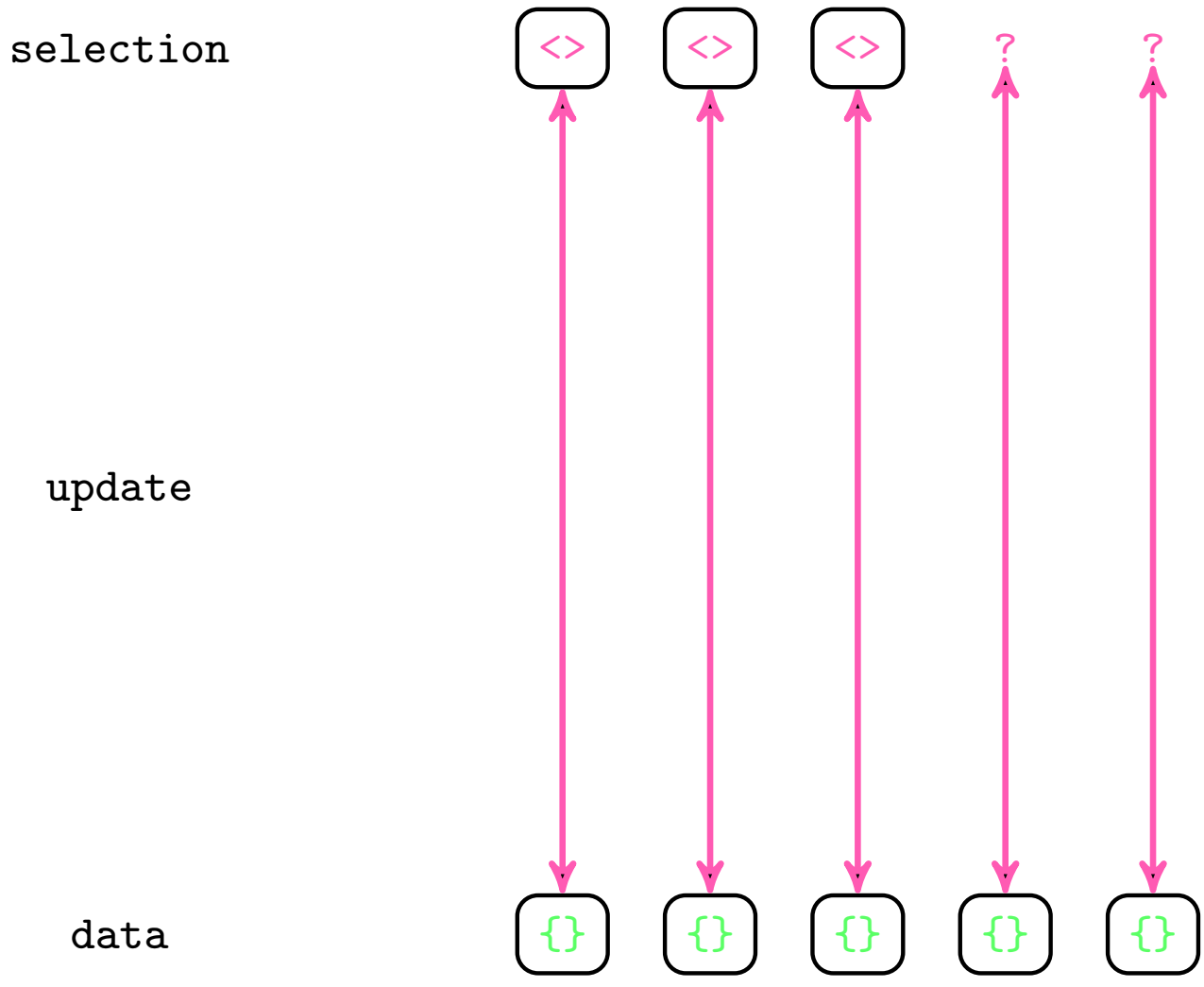

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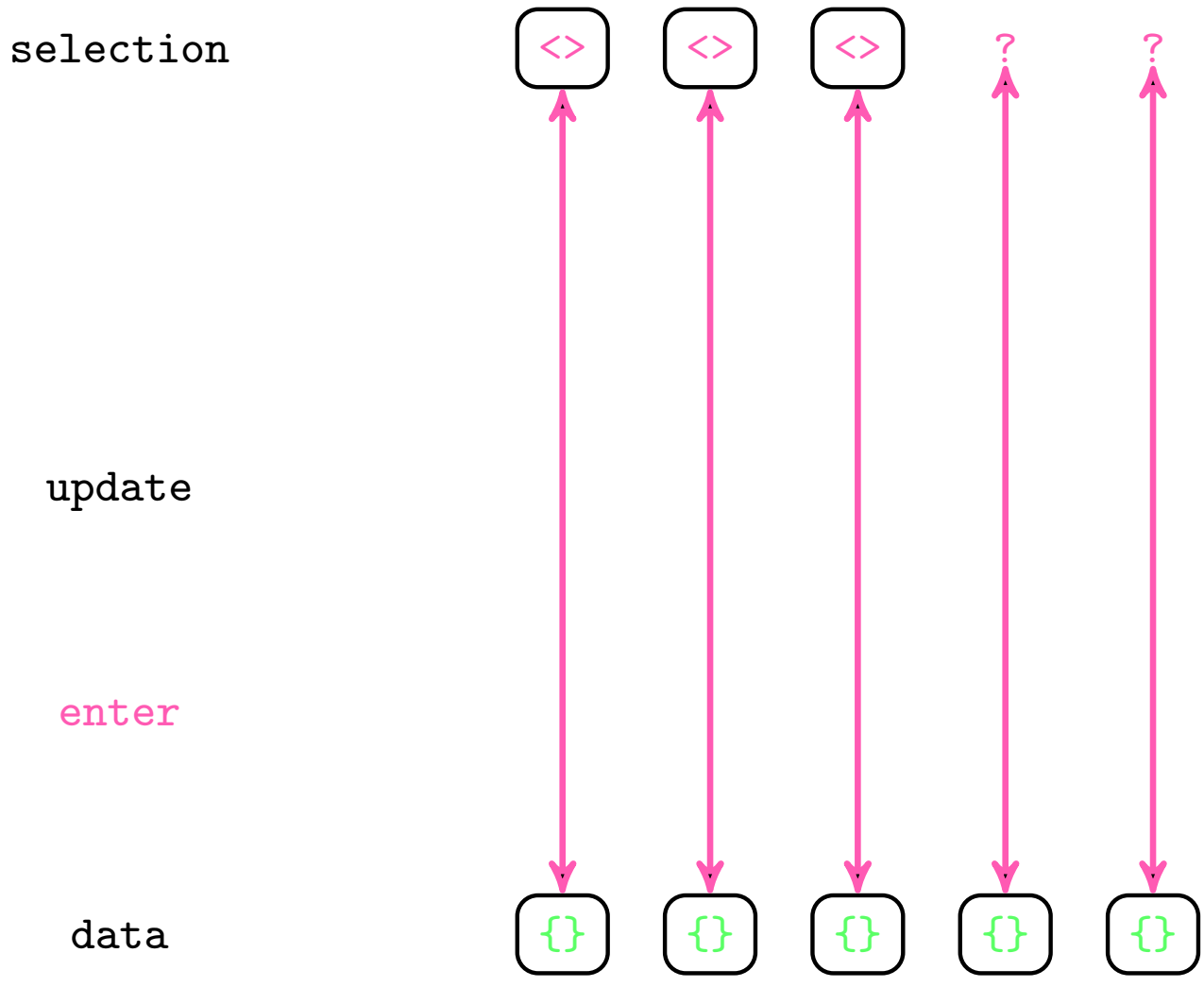

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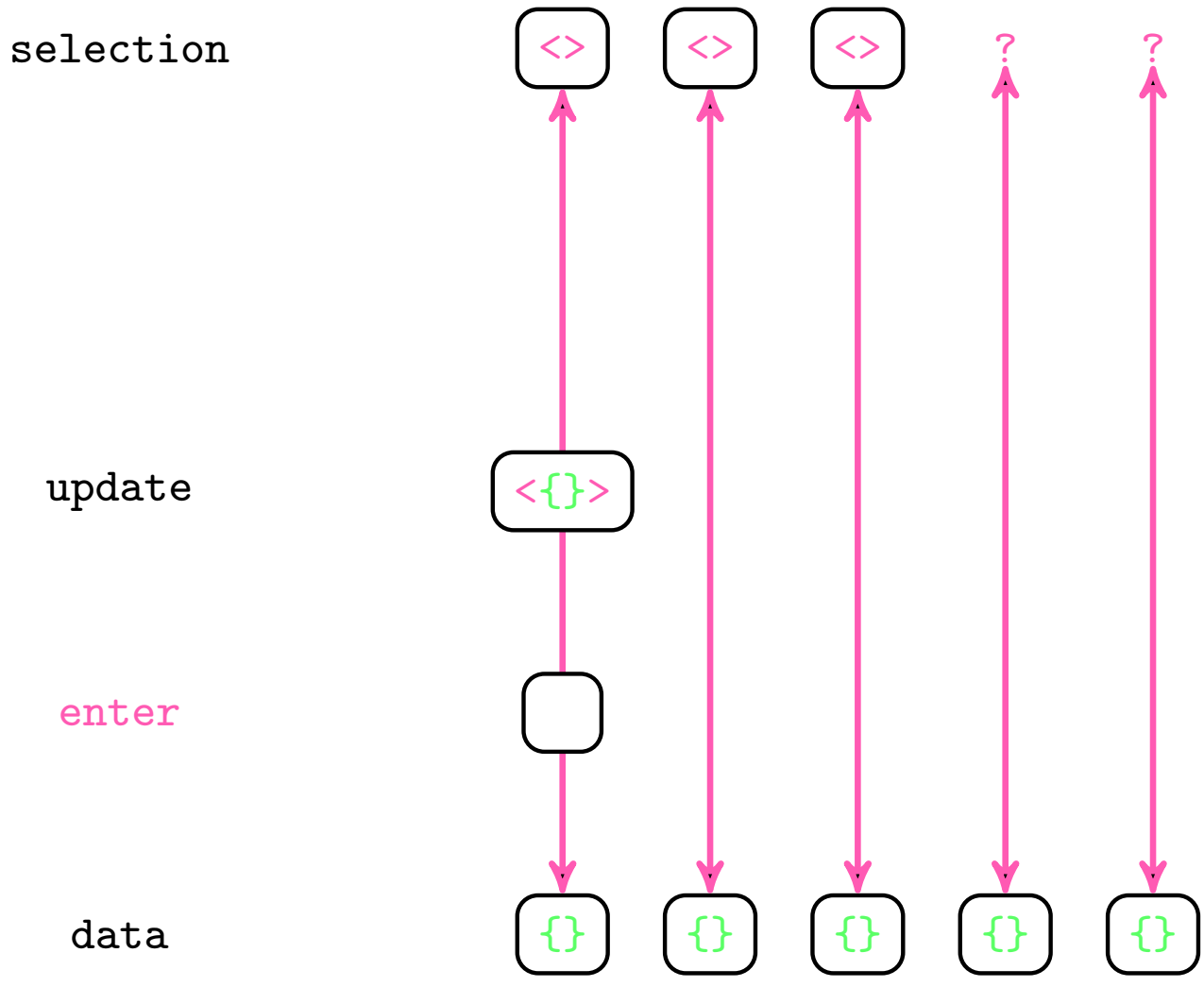

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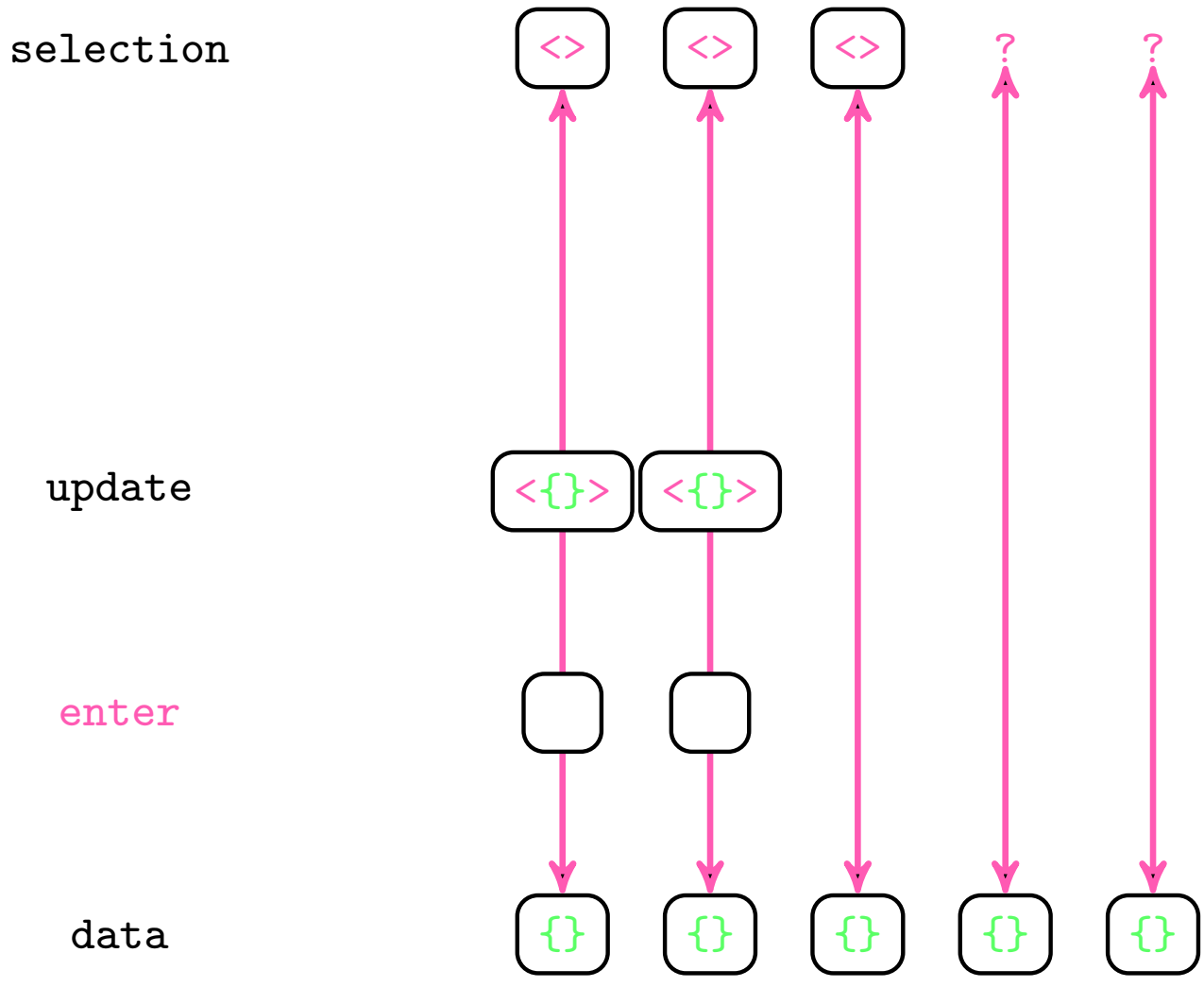

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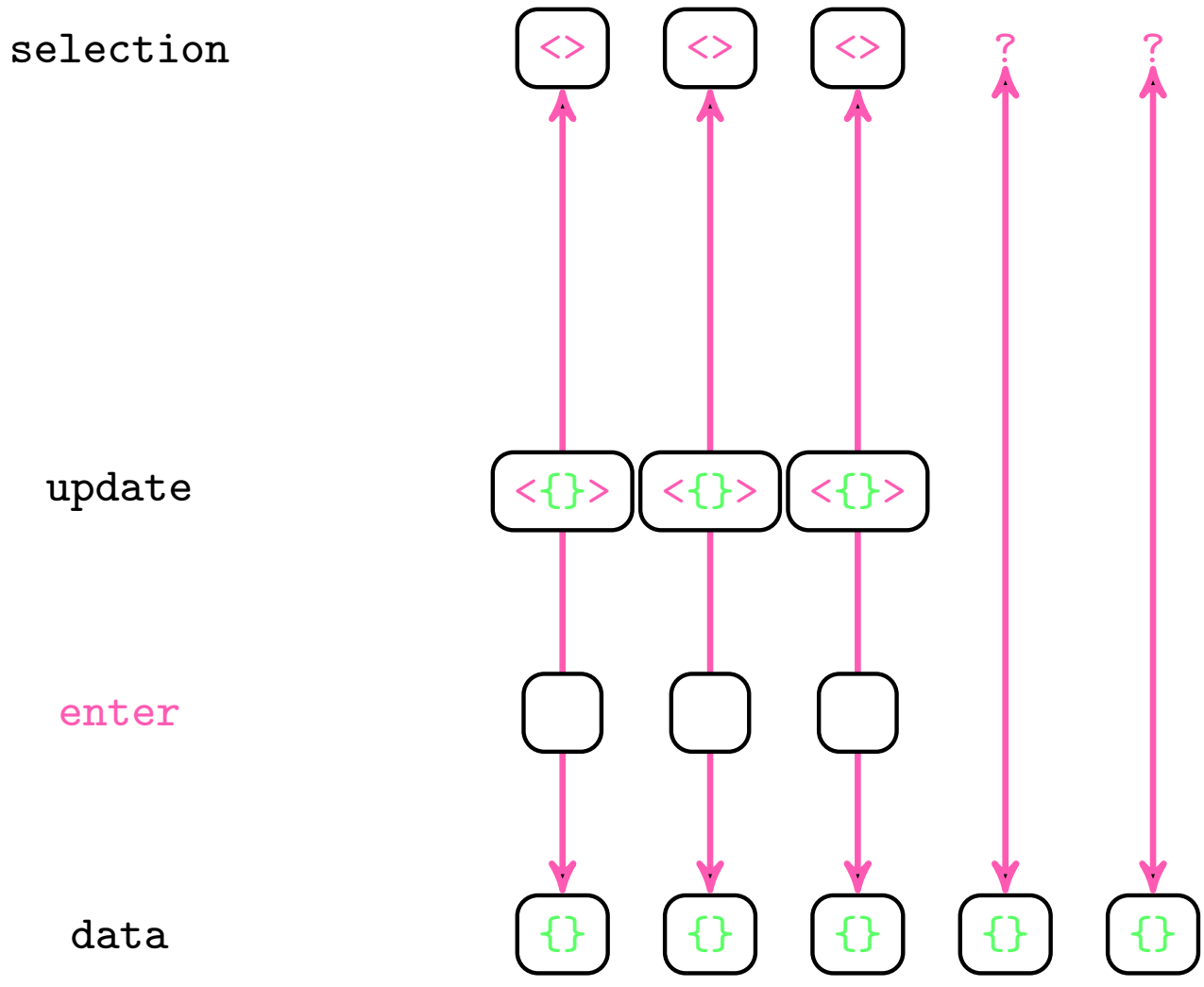

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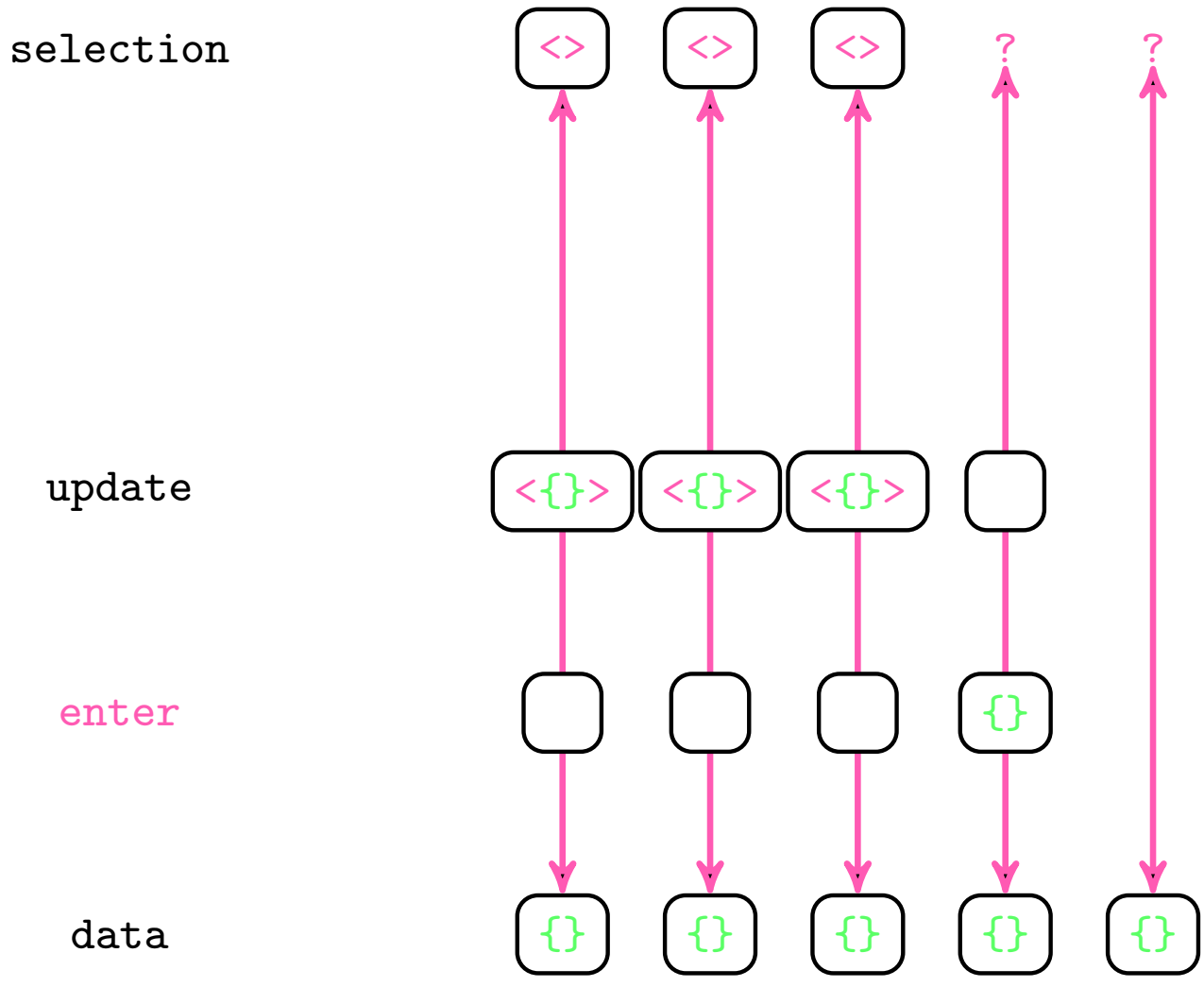

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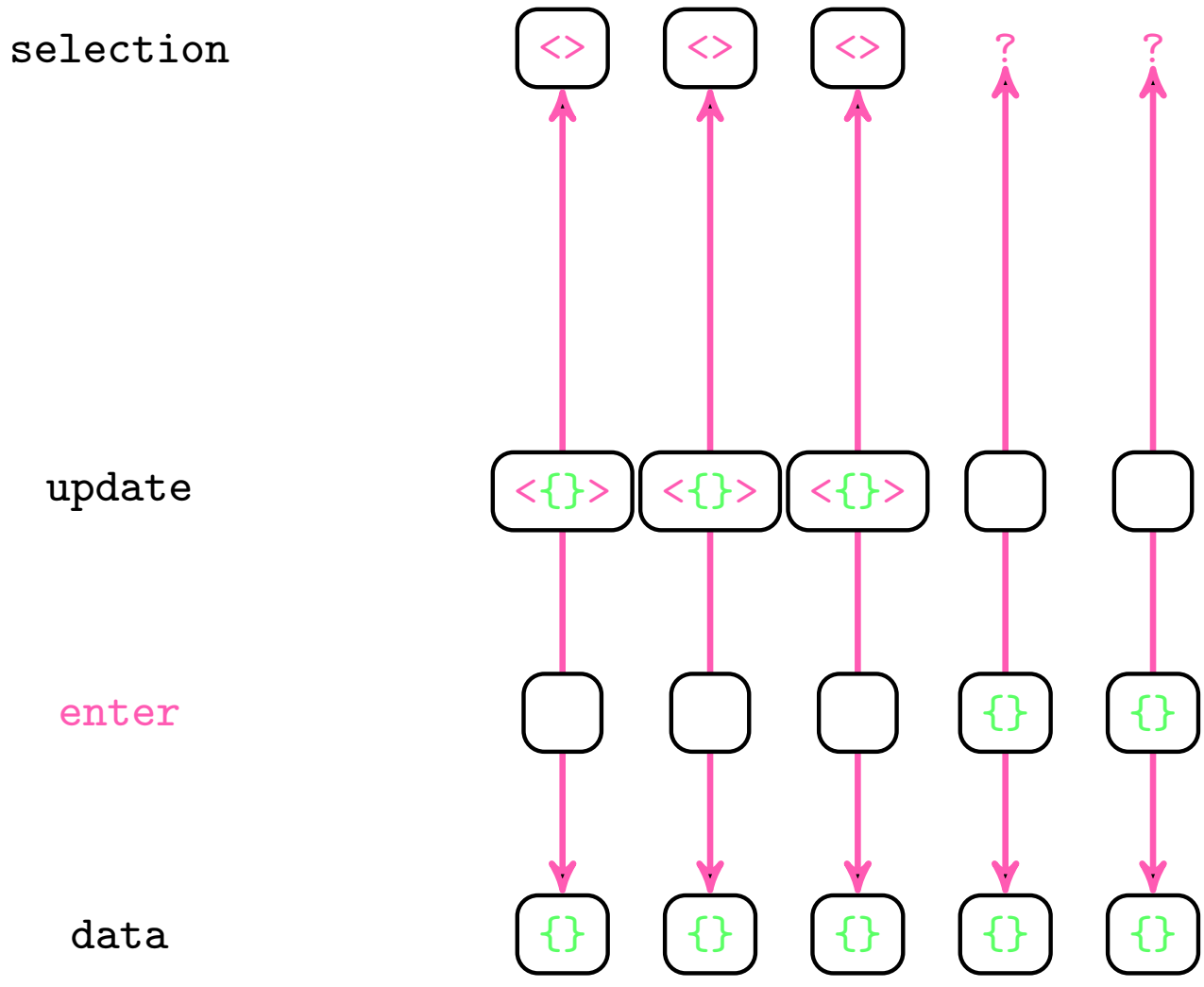


Data Join

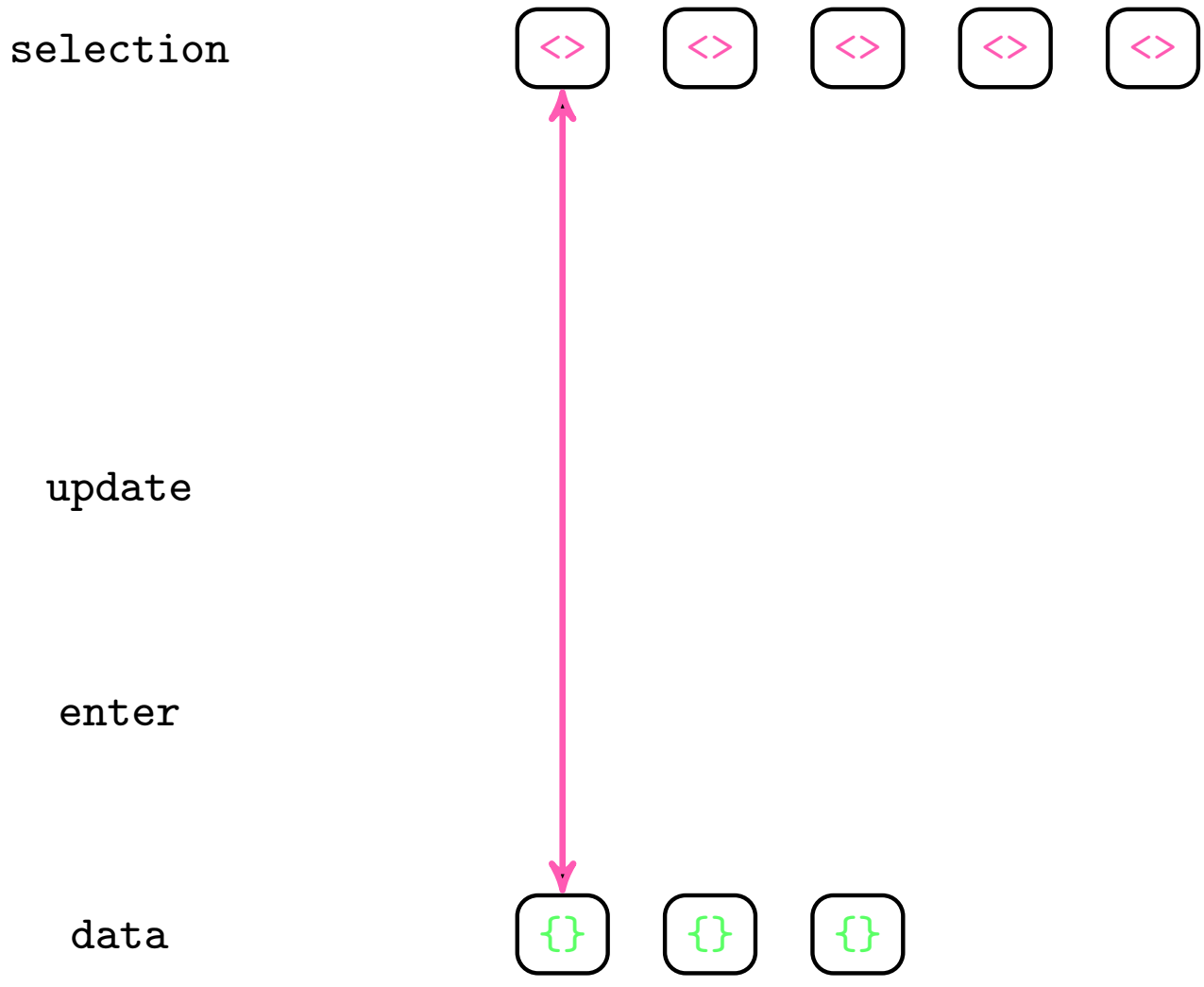
`selection`

`update`

`enter`

`data`

Data Join



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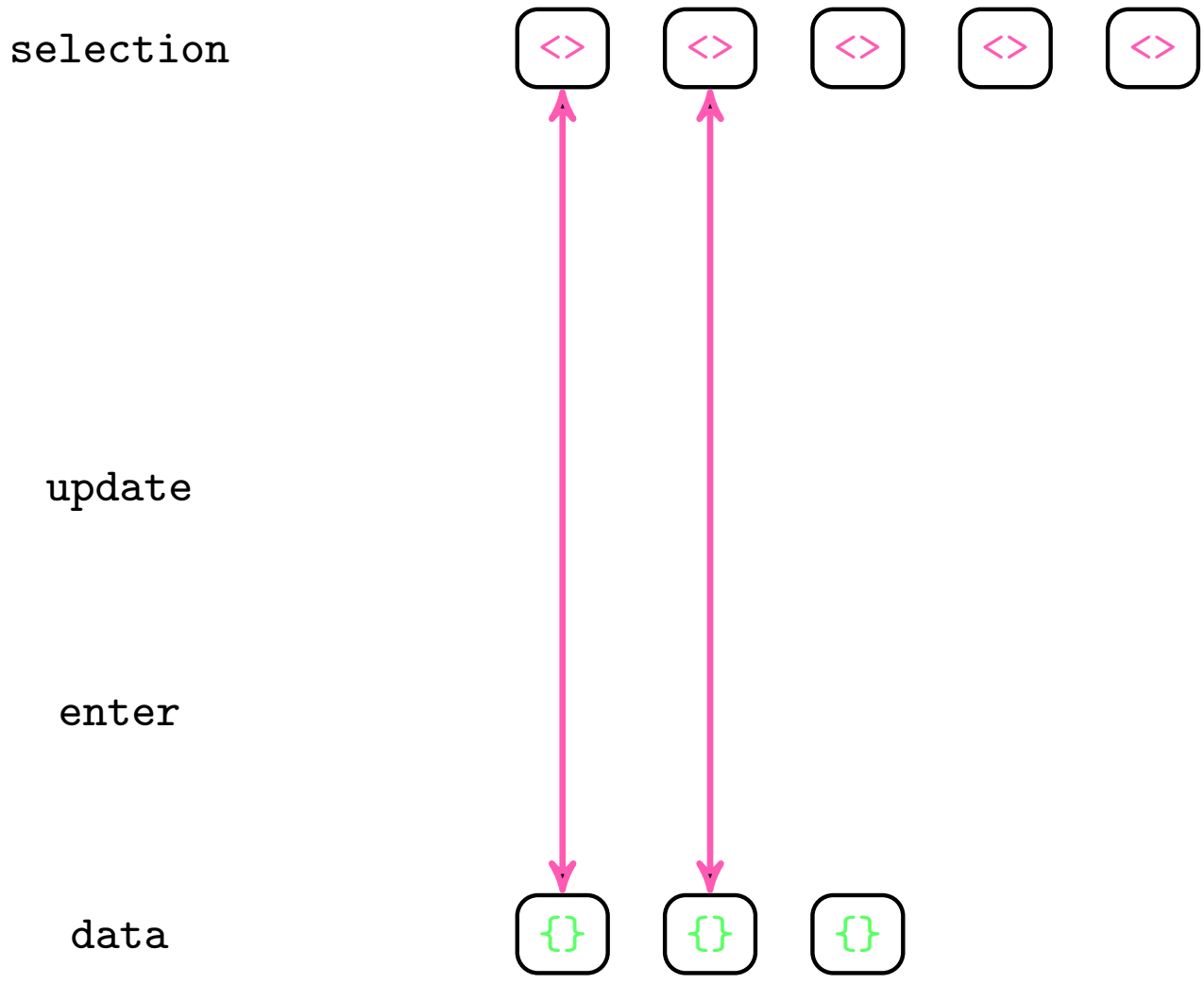

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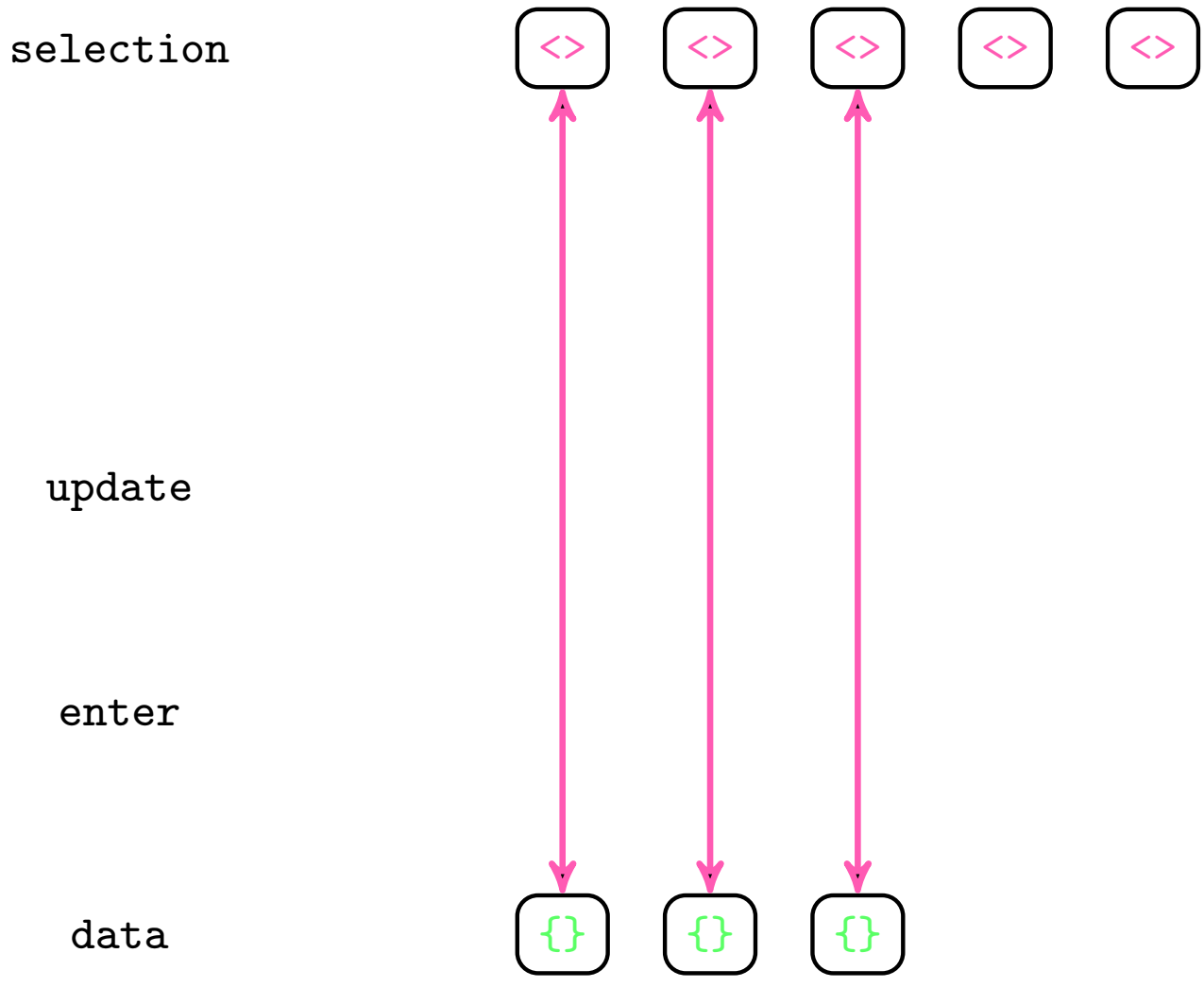

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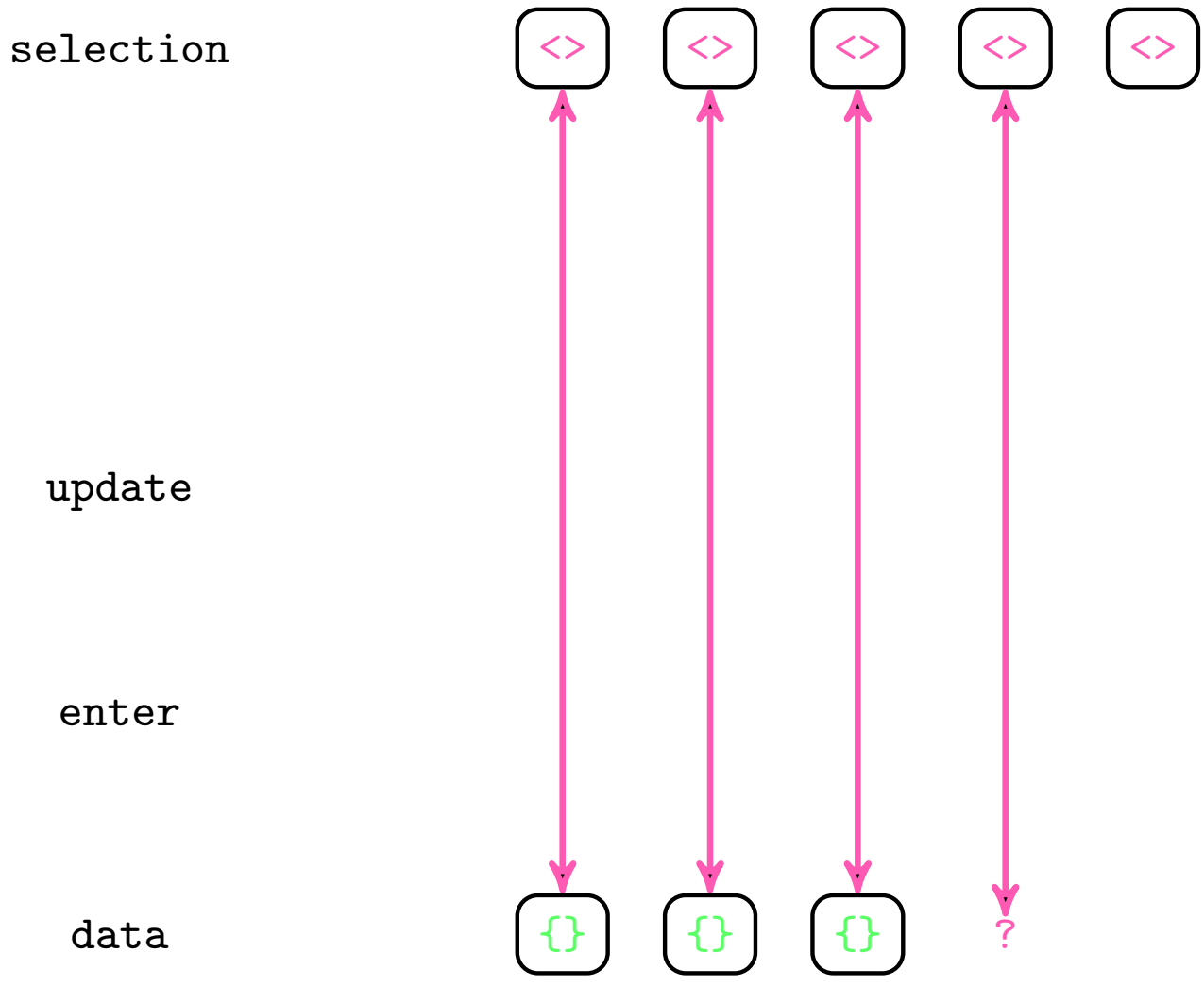

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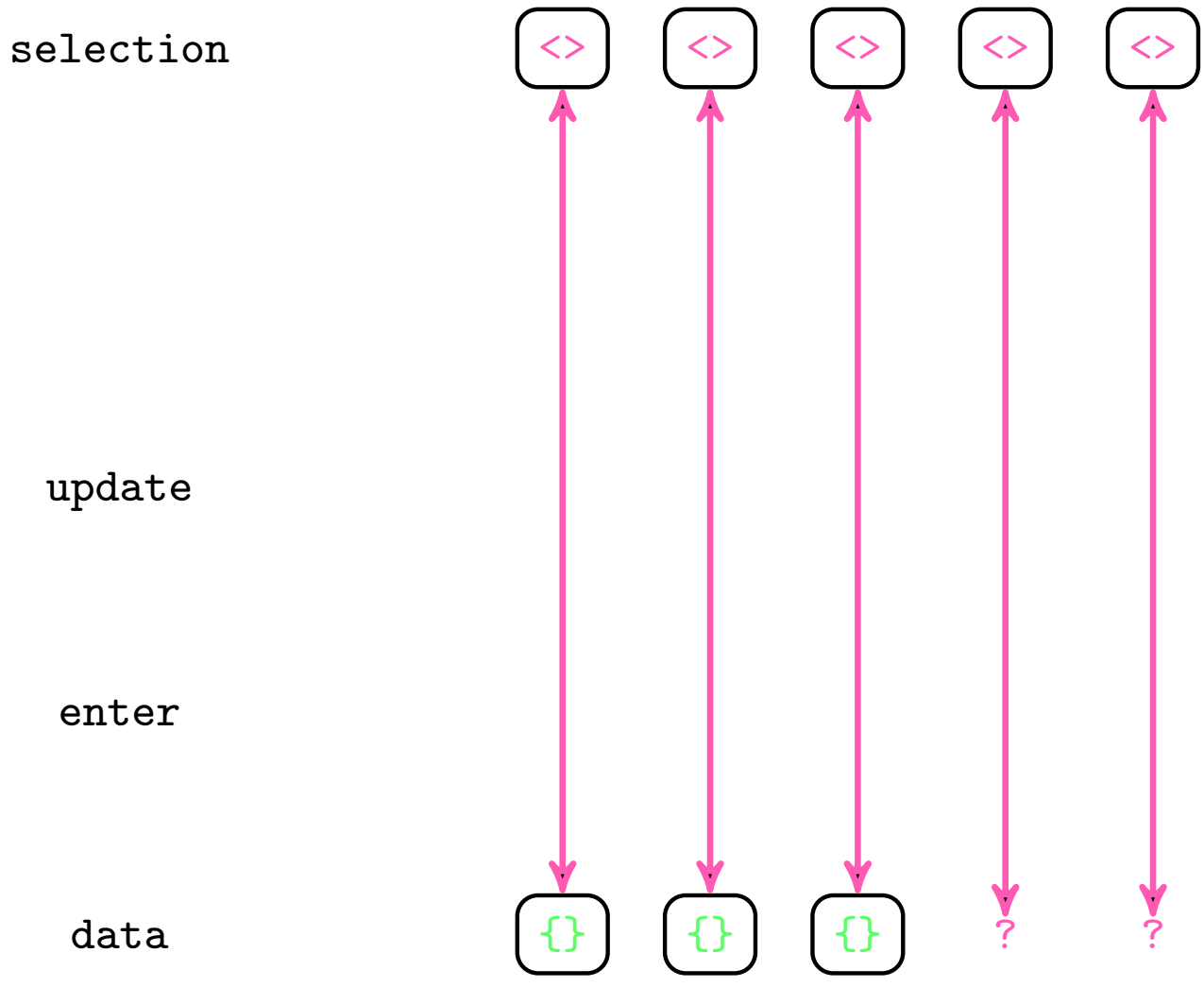

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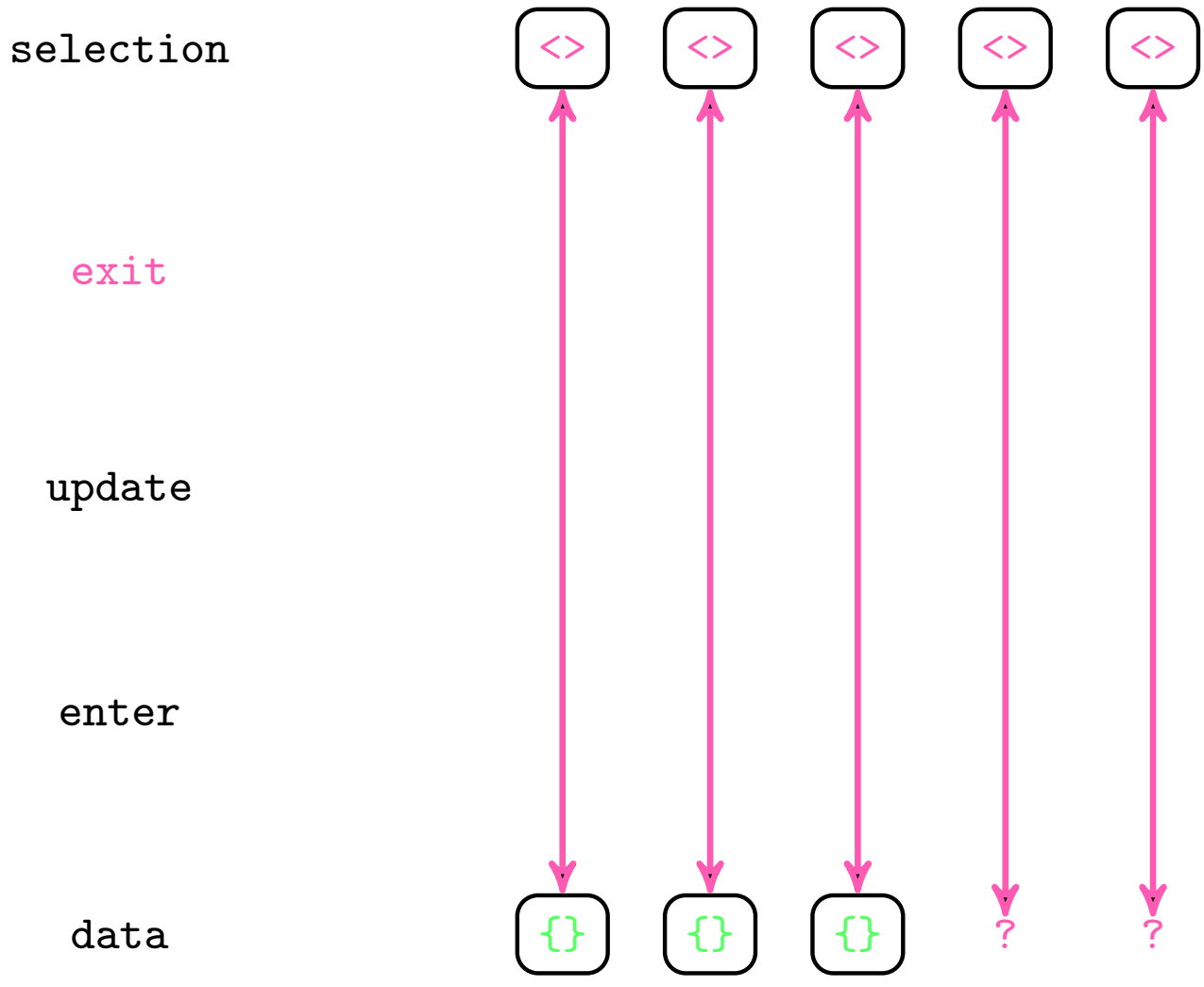

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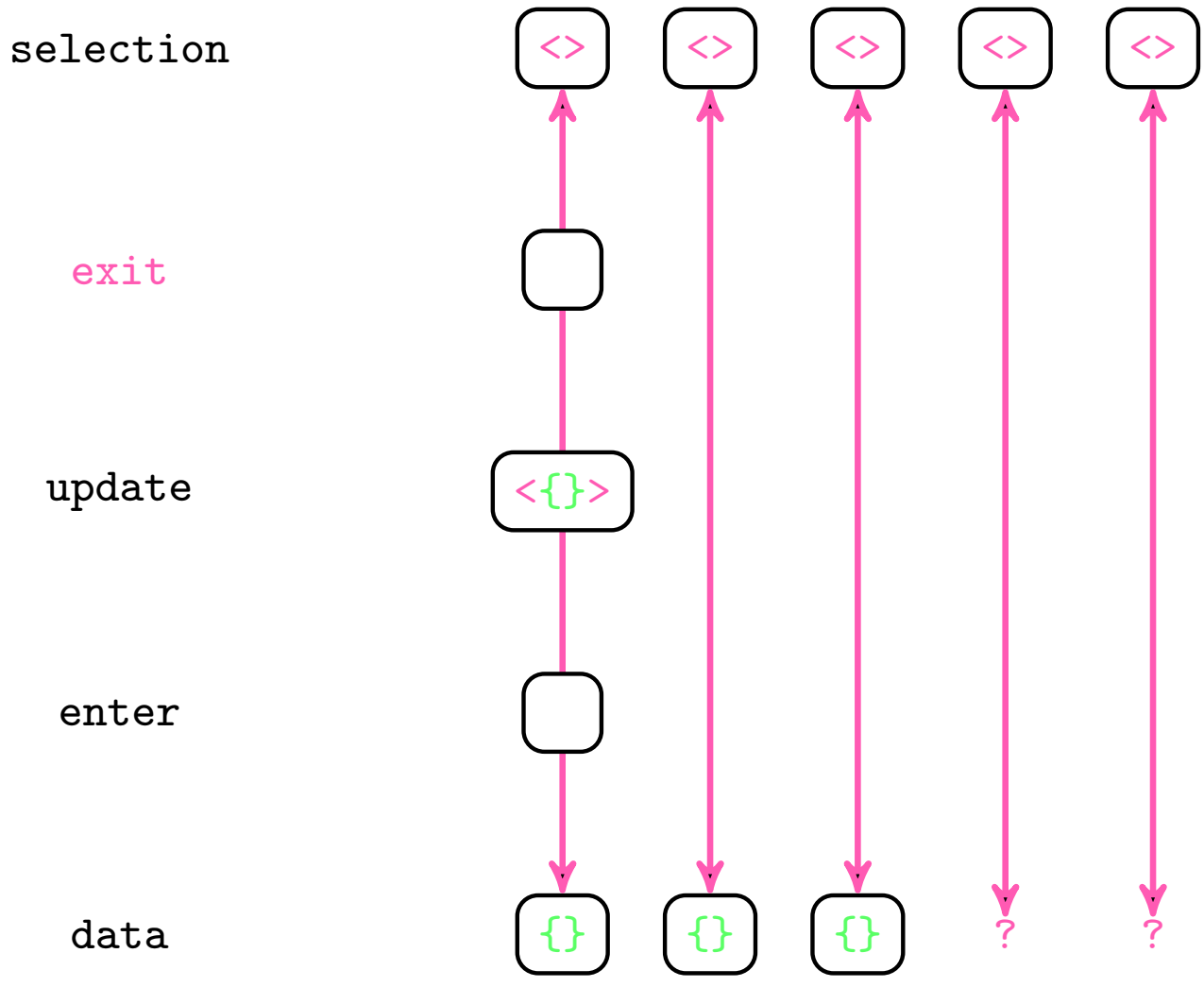

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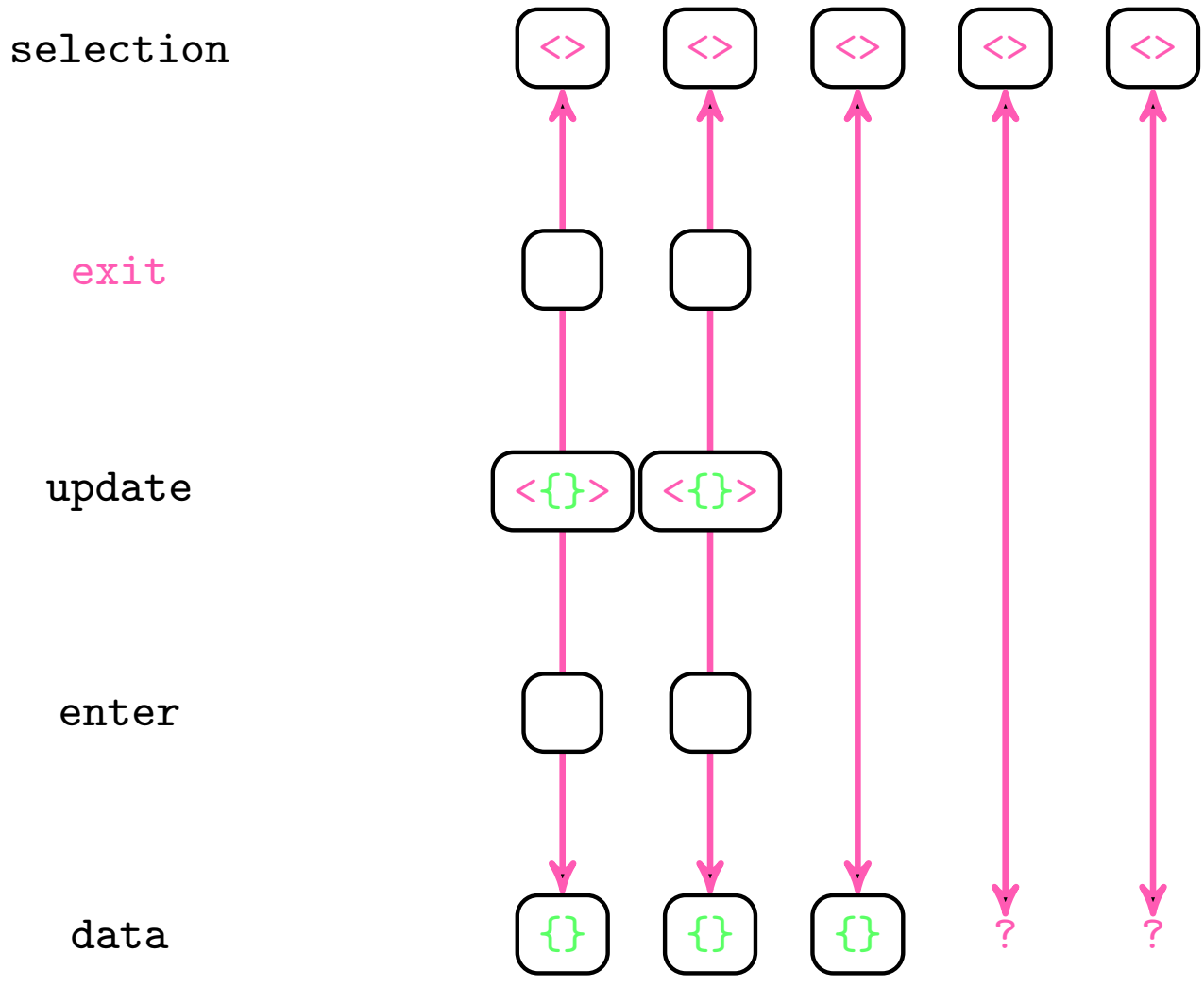

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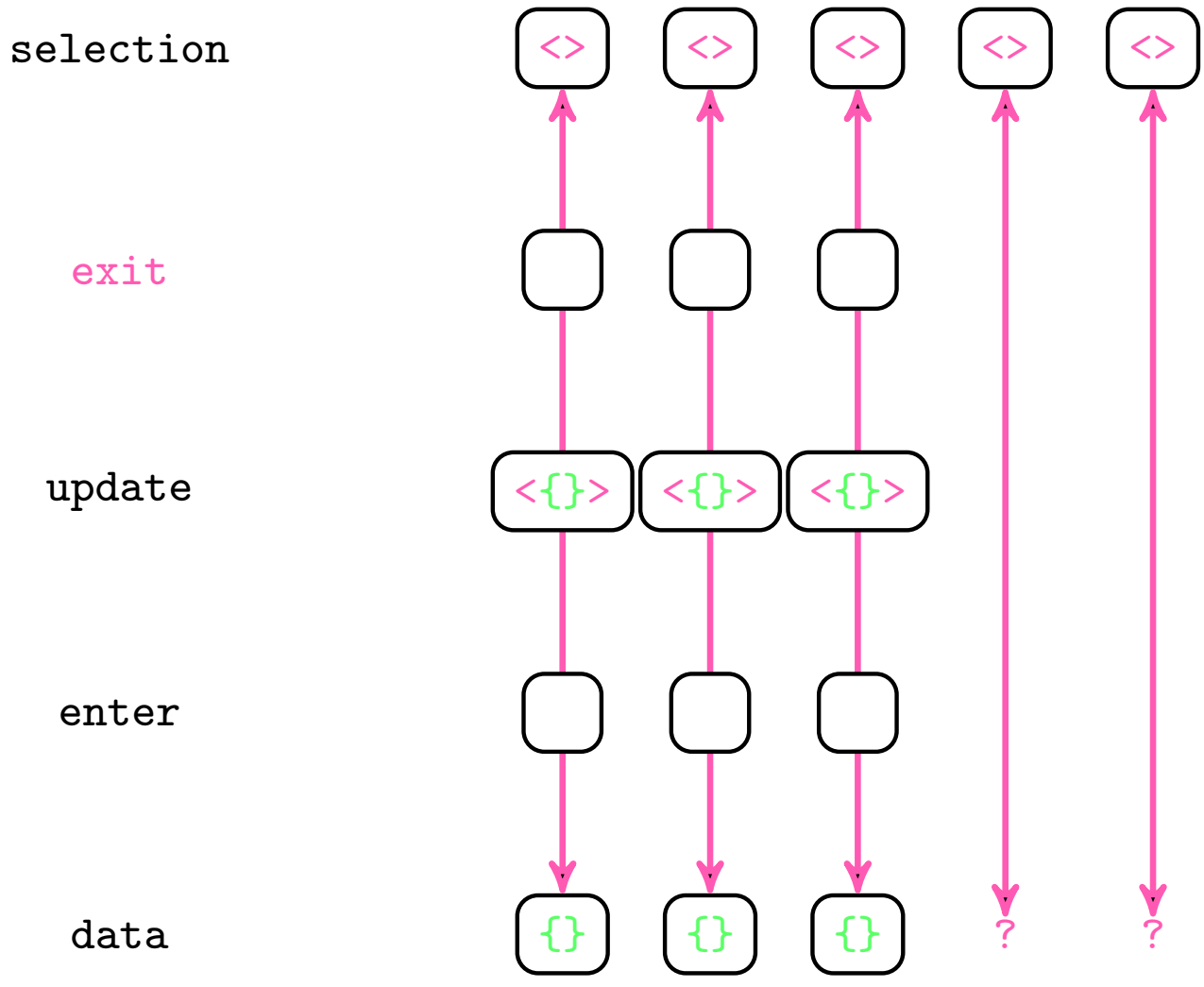

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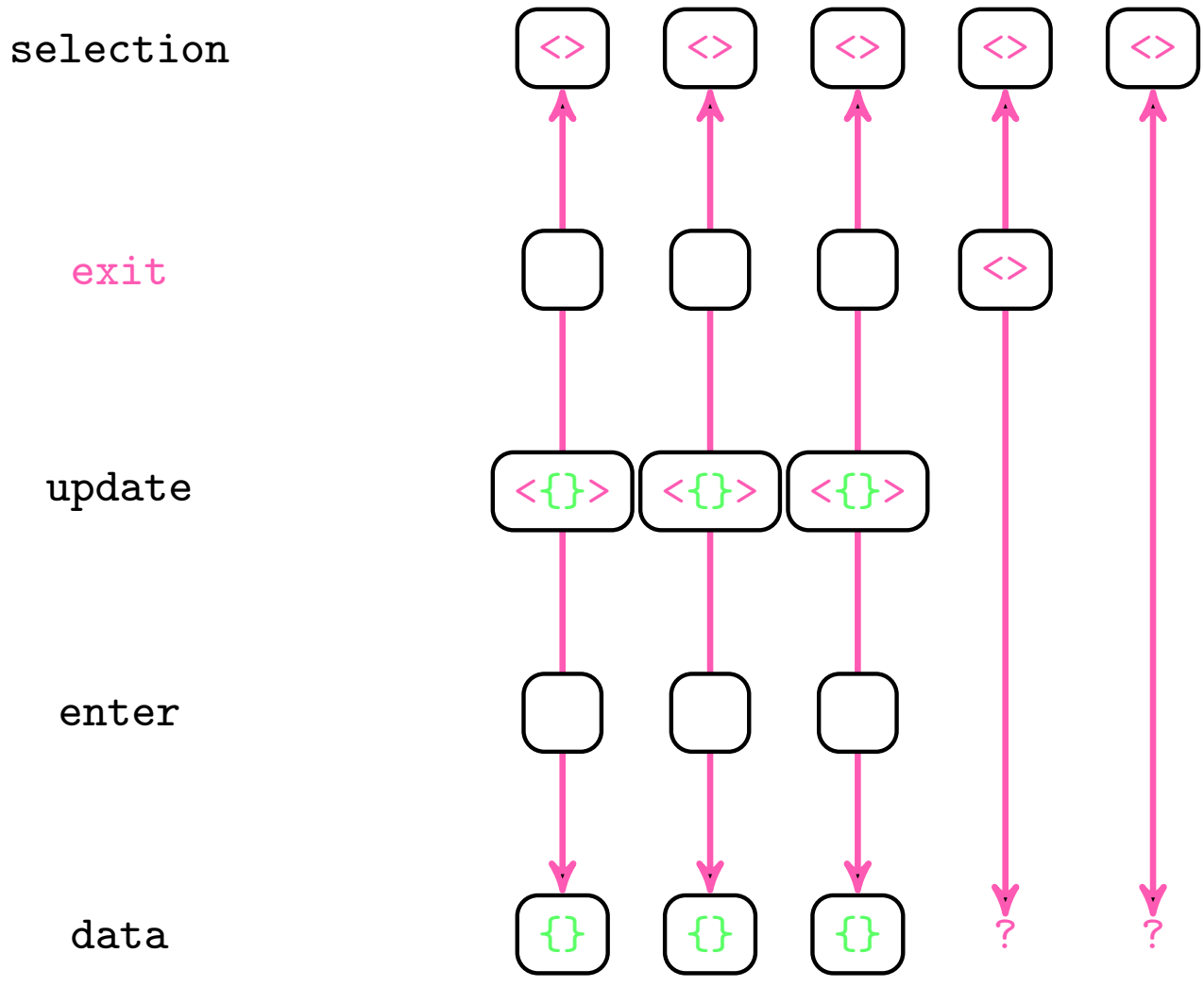

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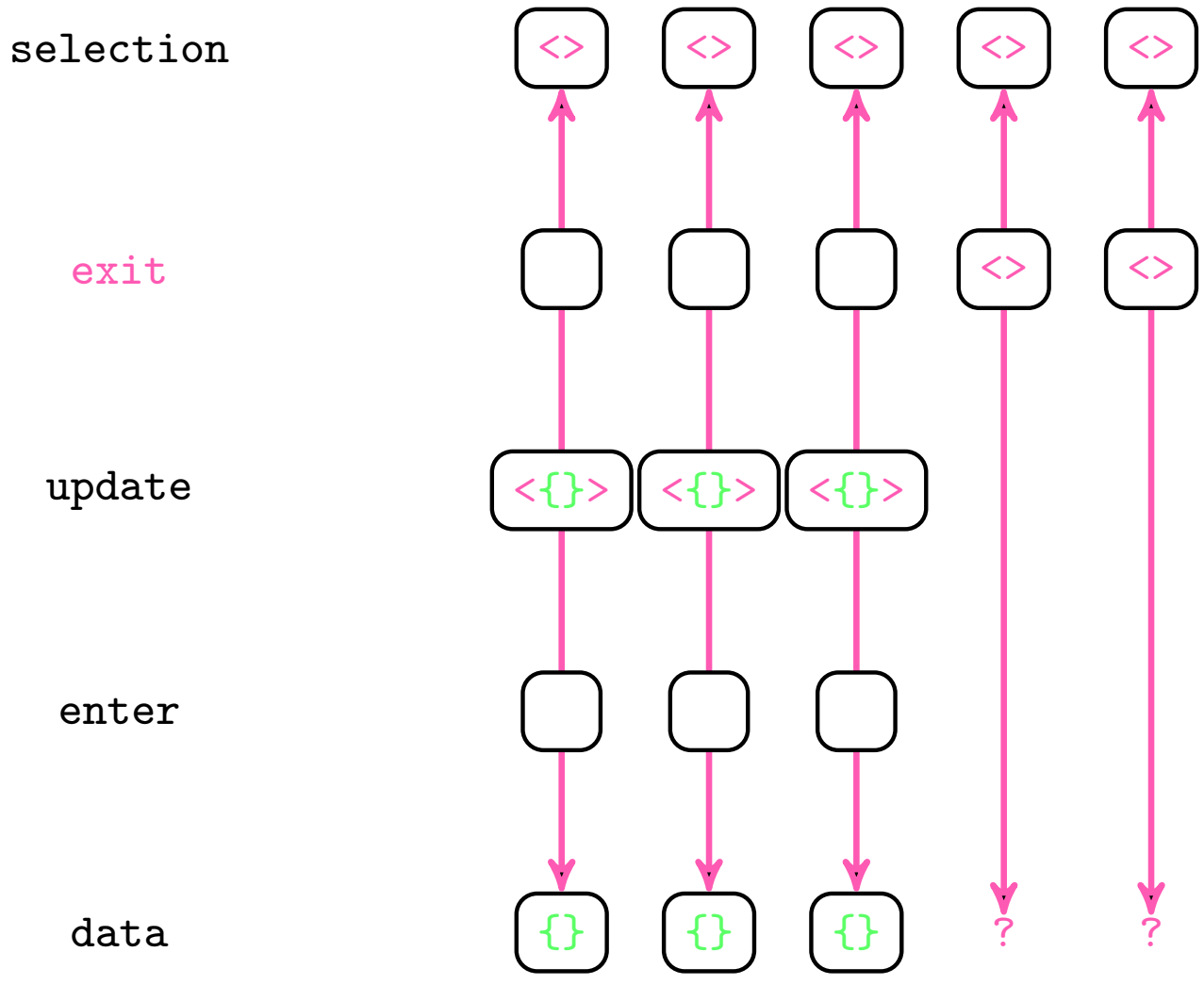


Data Join: flujo típico

`selection`

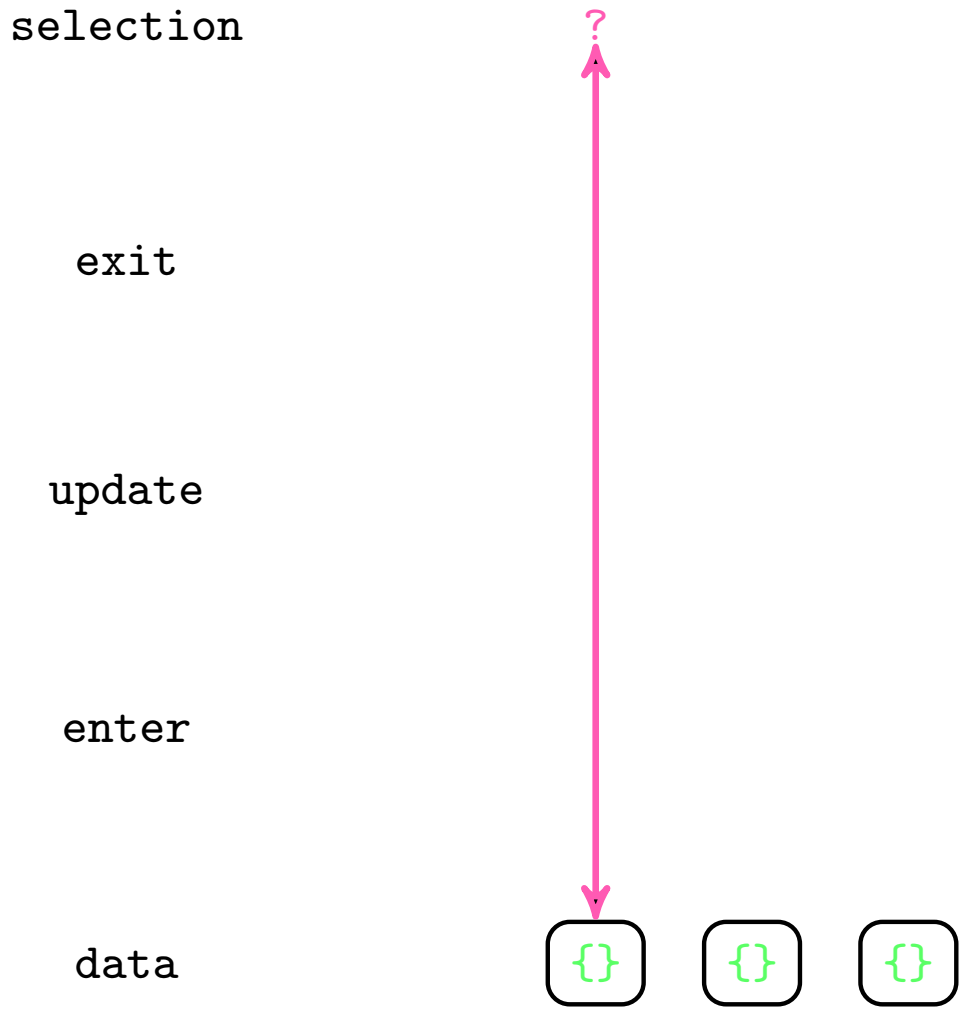
`exit`

`update`

`enter`

`data`

Data Join: flujo típico



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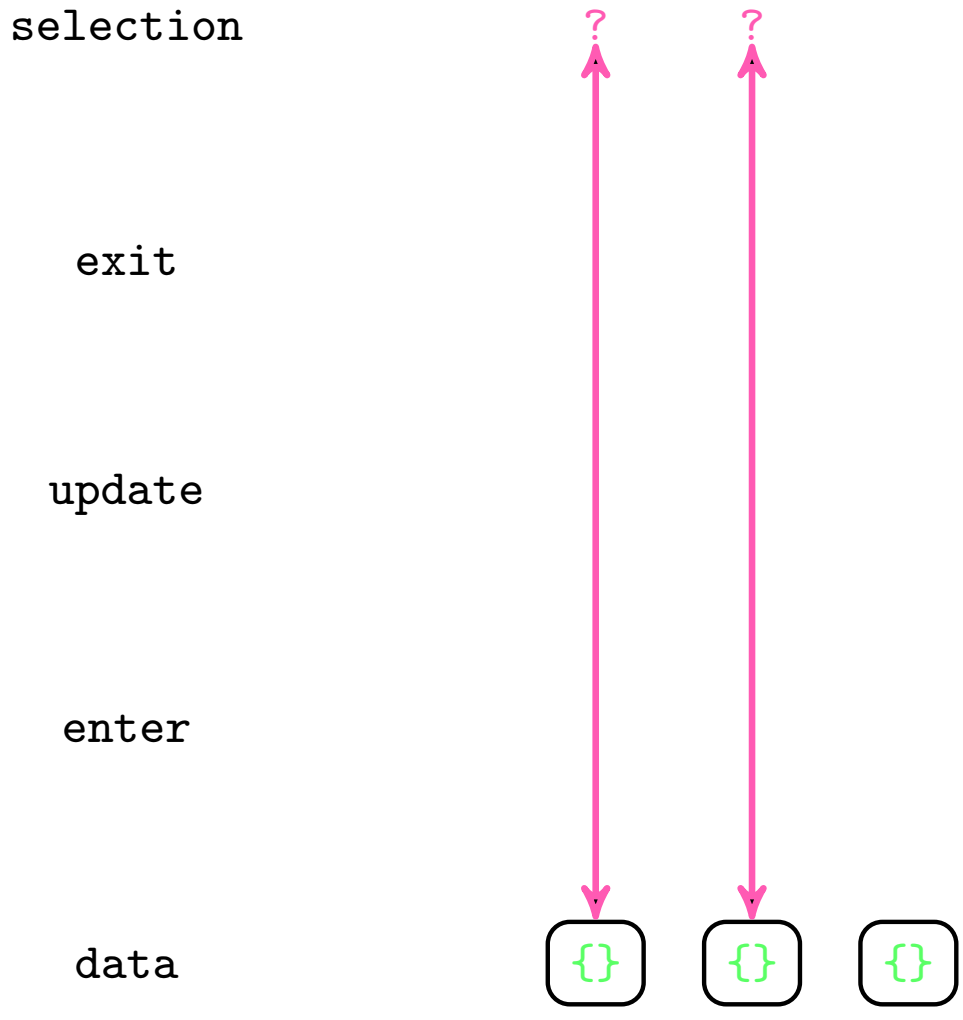
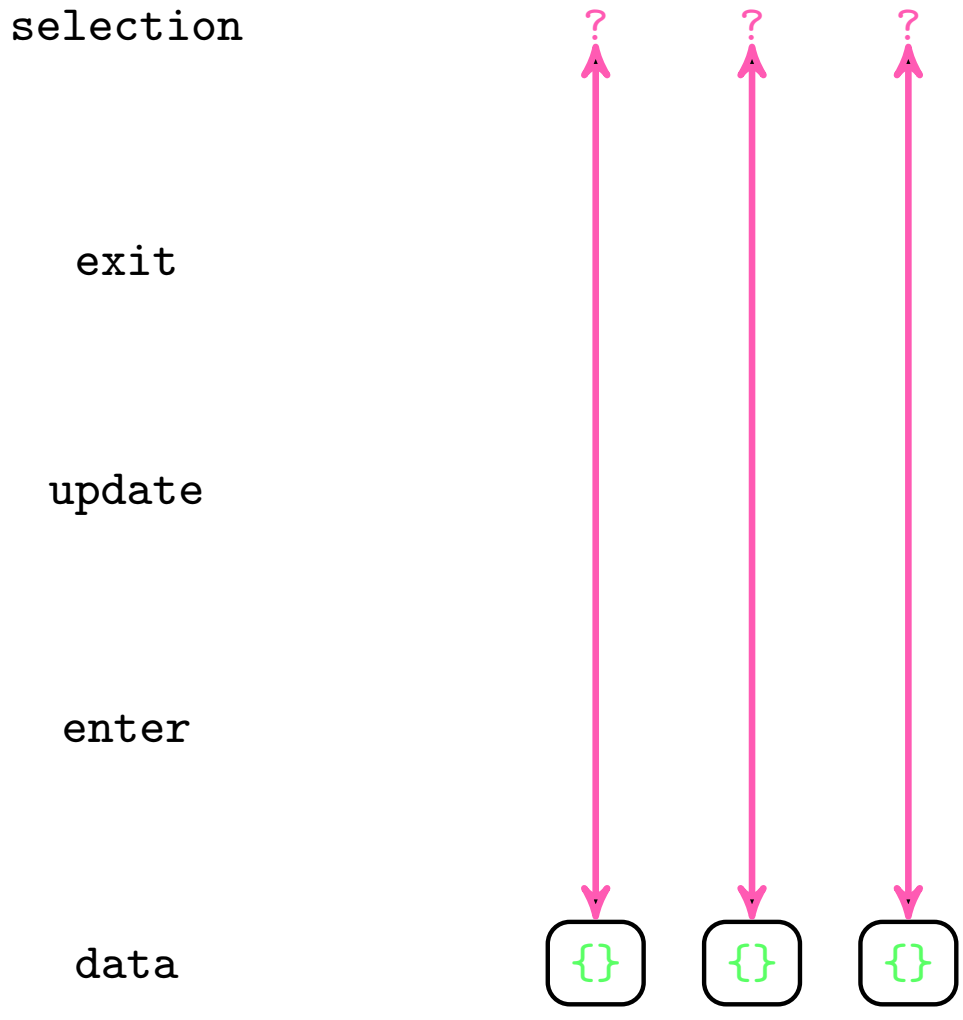
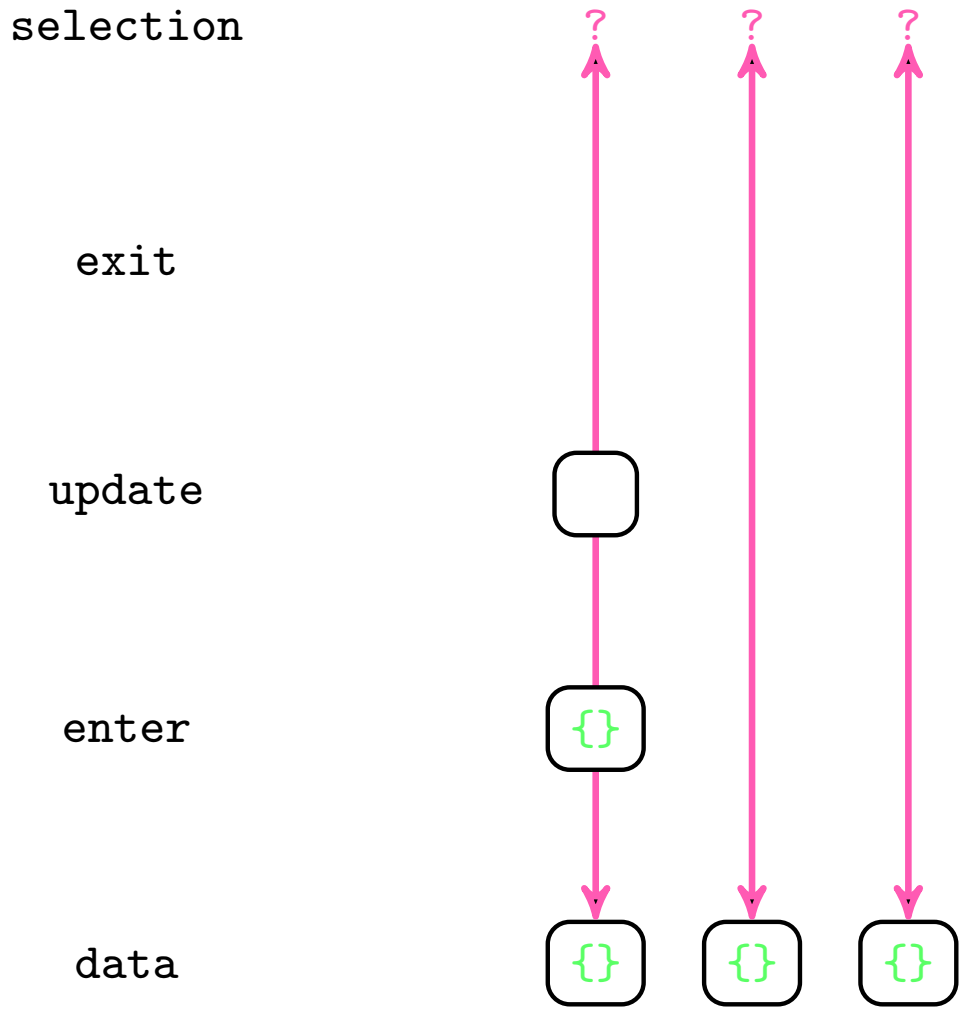


Data Join: flujo típico



Data Join: flujo típico



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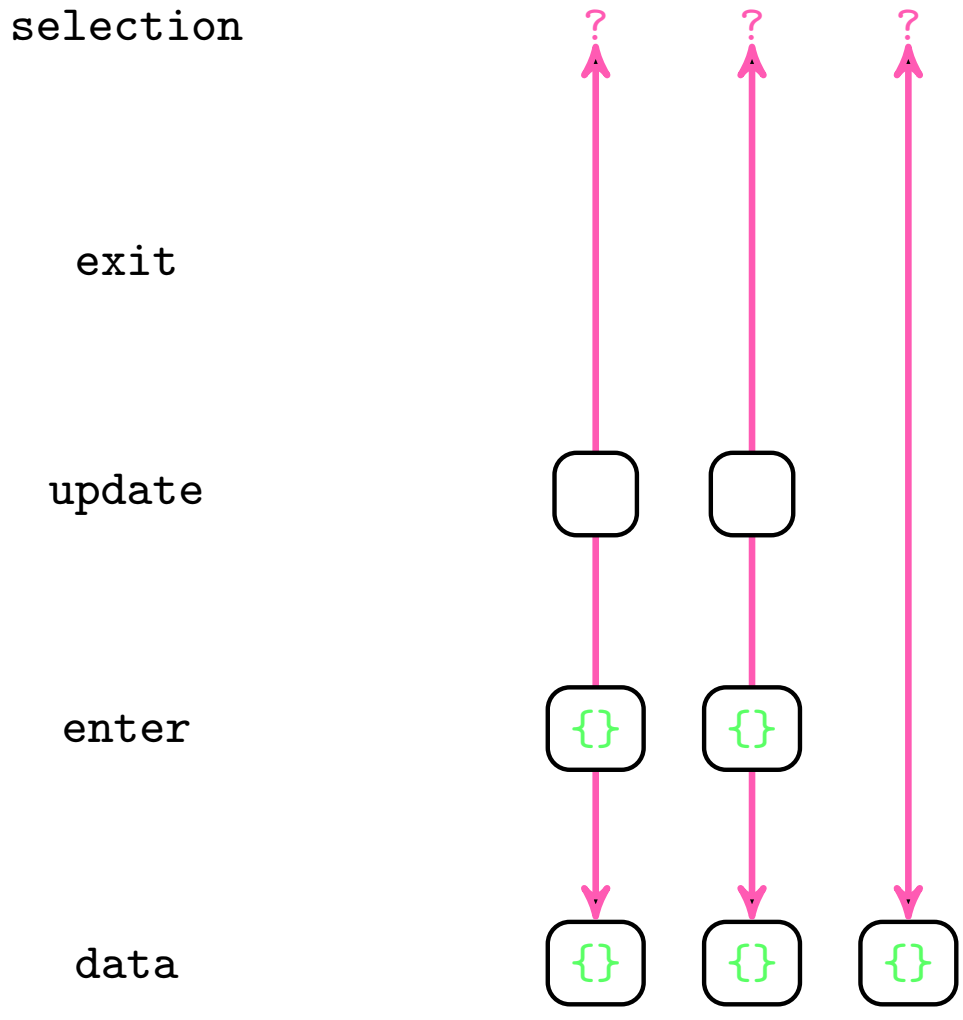

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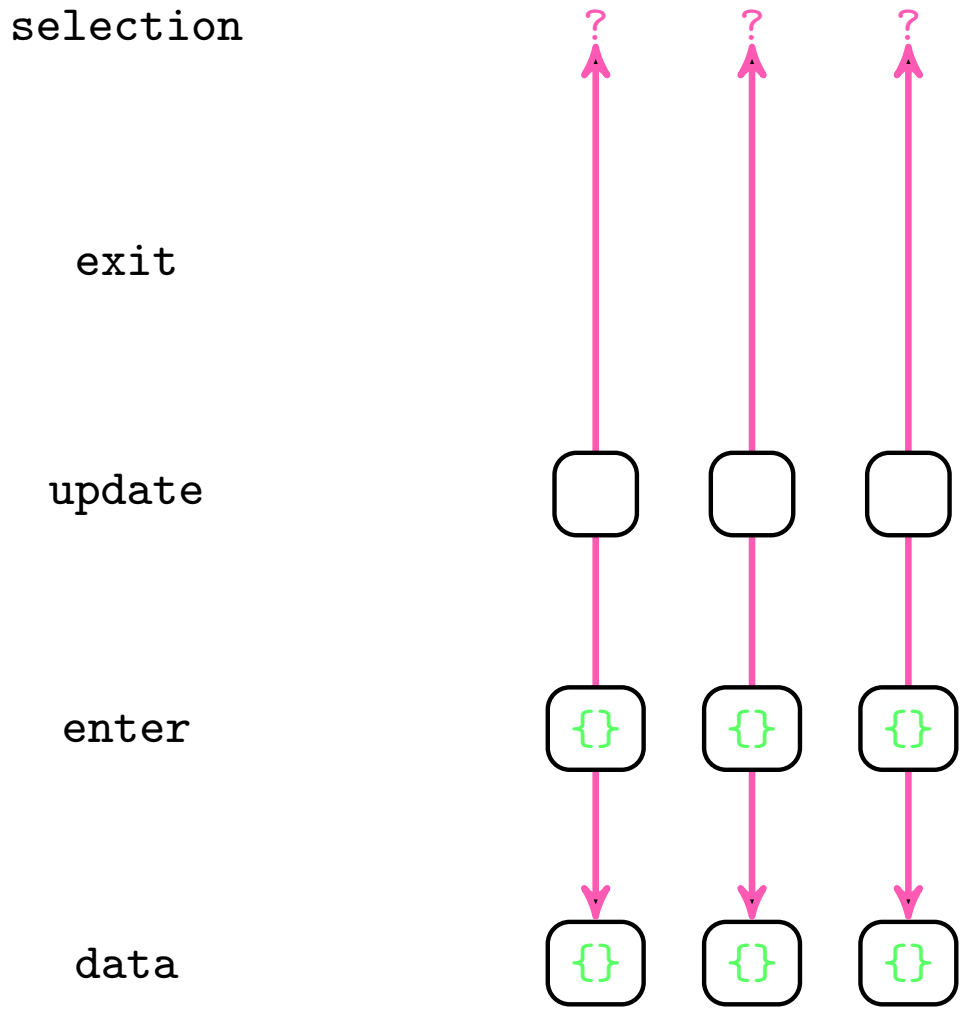

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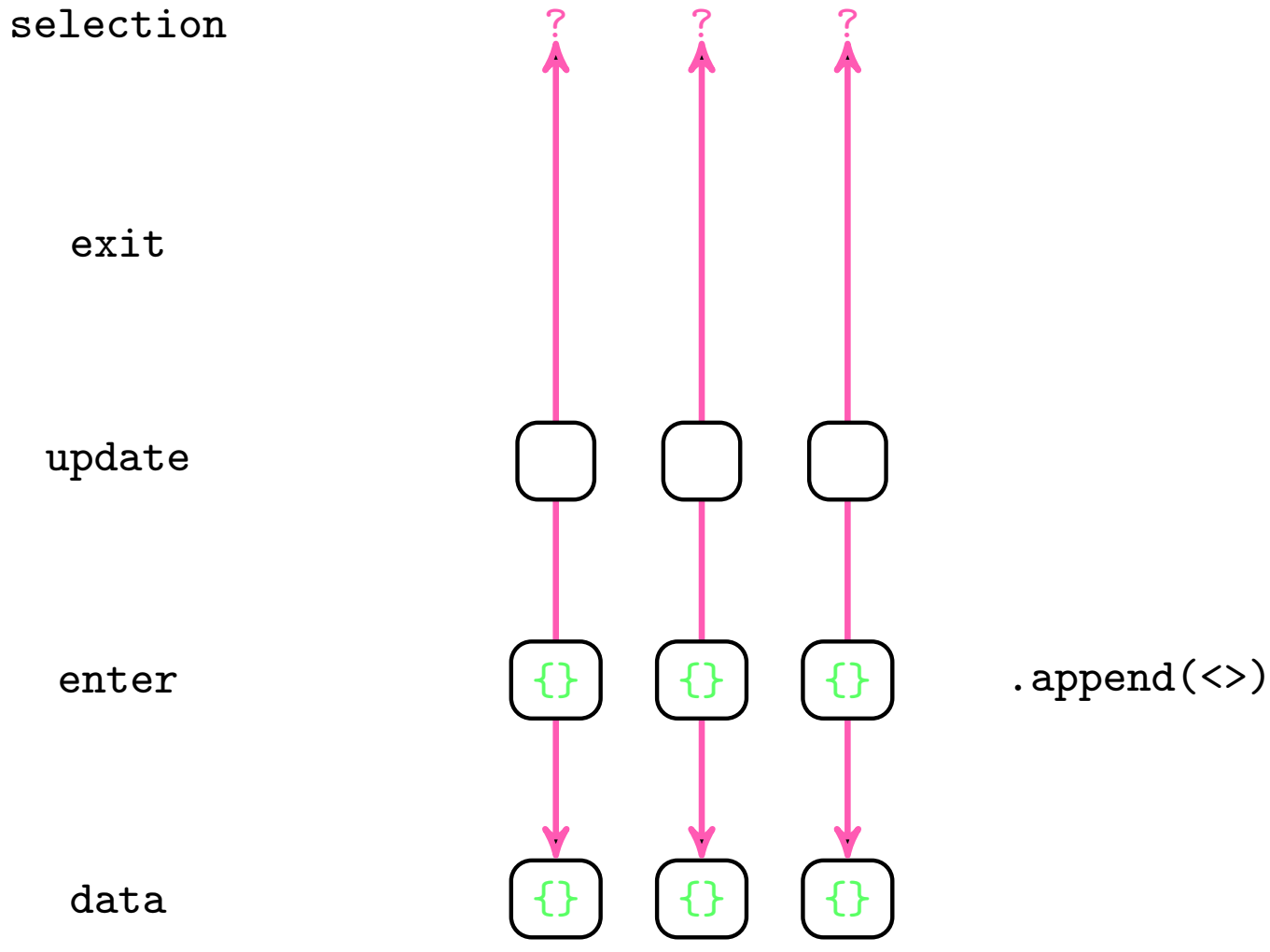
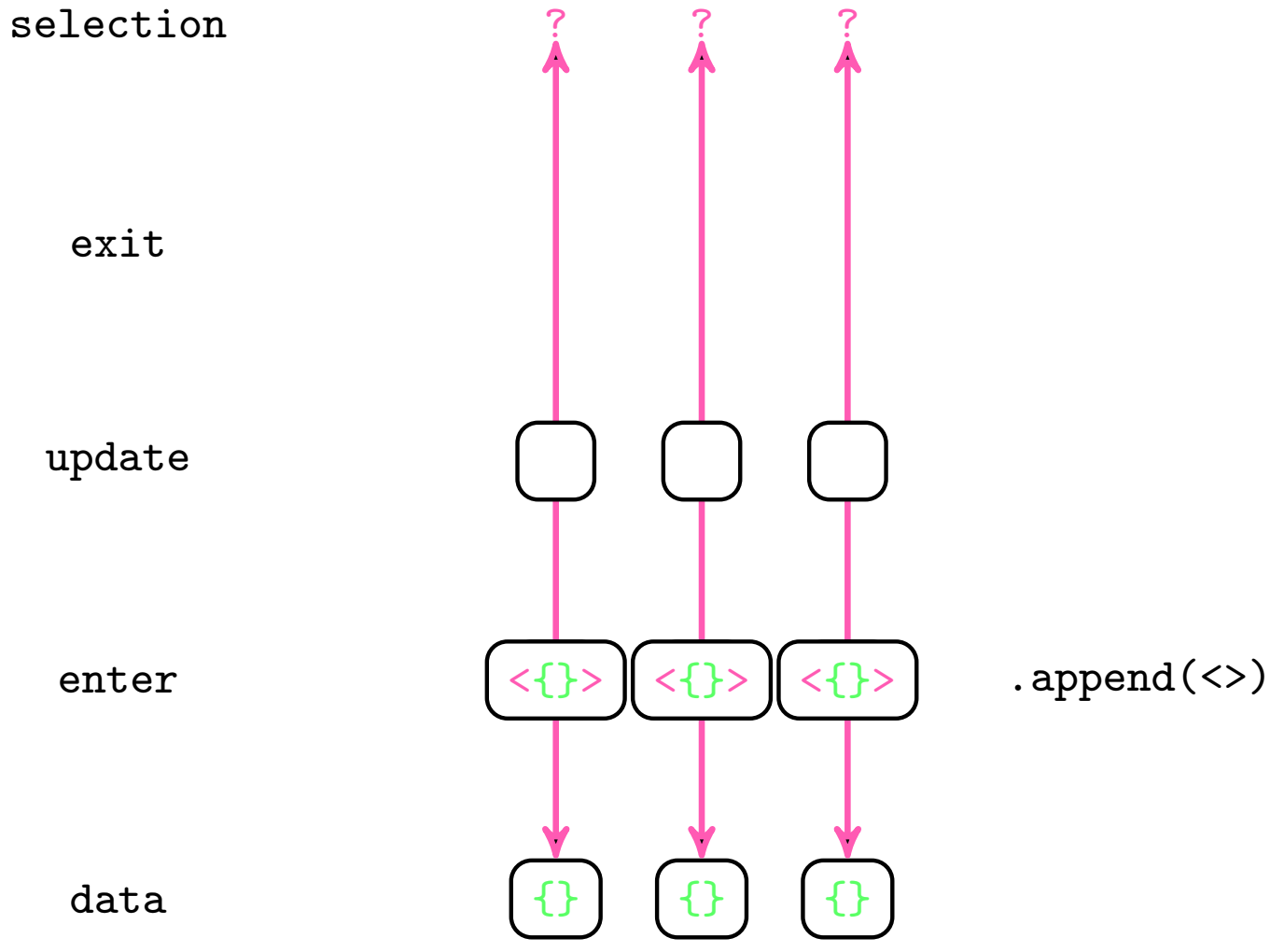
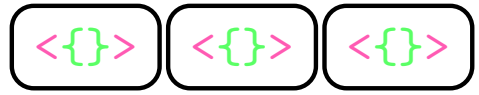


Data Join: flujo típico



Data Join: flujo típico

`selection`



`exit`

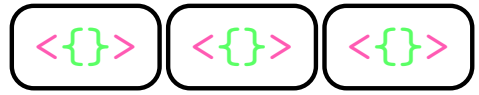
`update`

`enter`

`data`

Data Join: flujo típico

`selection`



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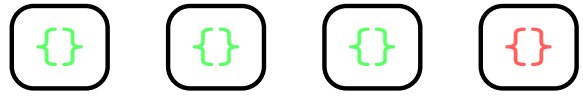

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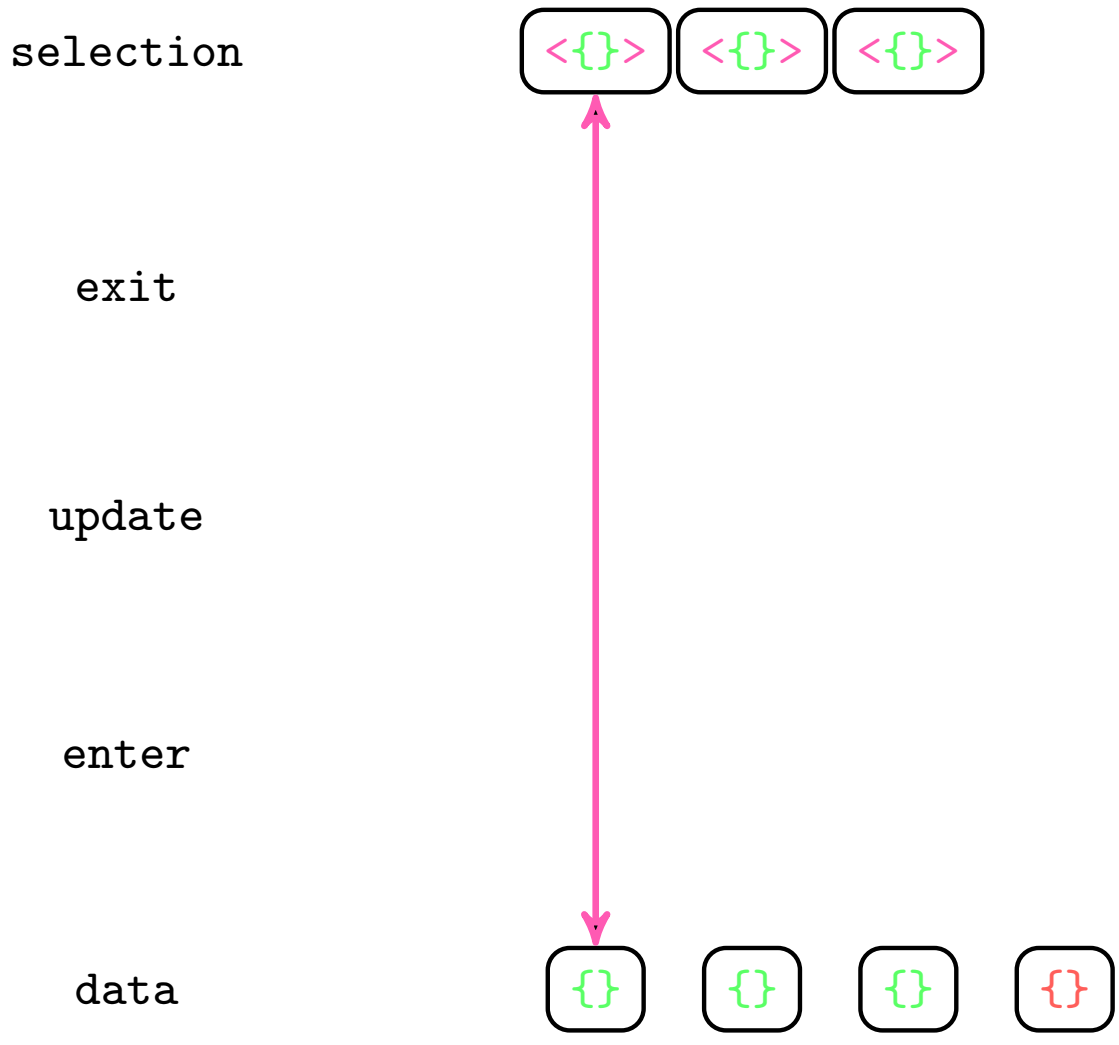
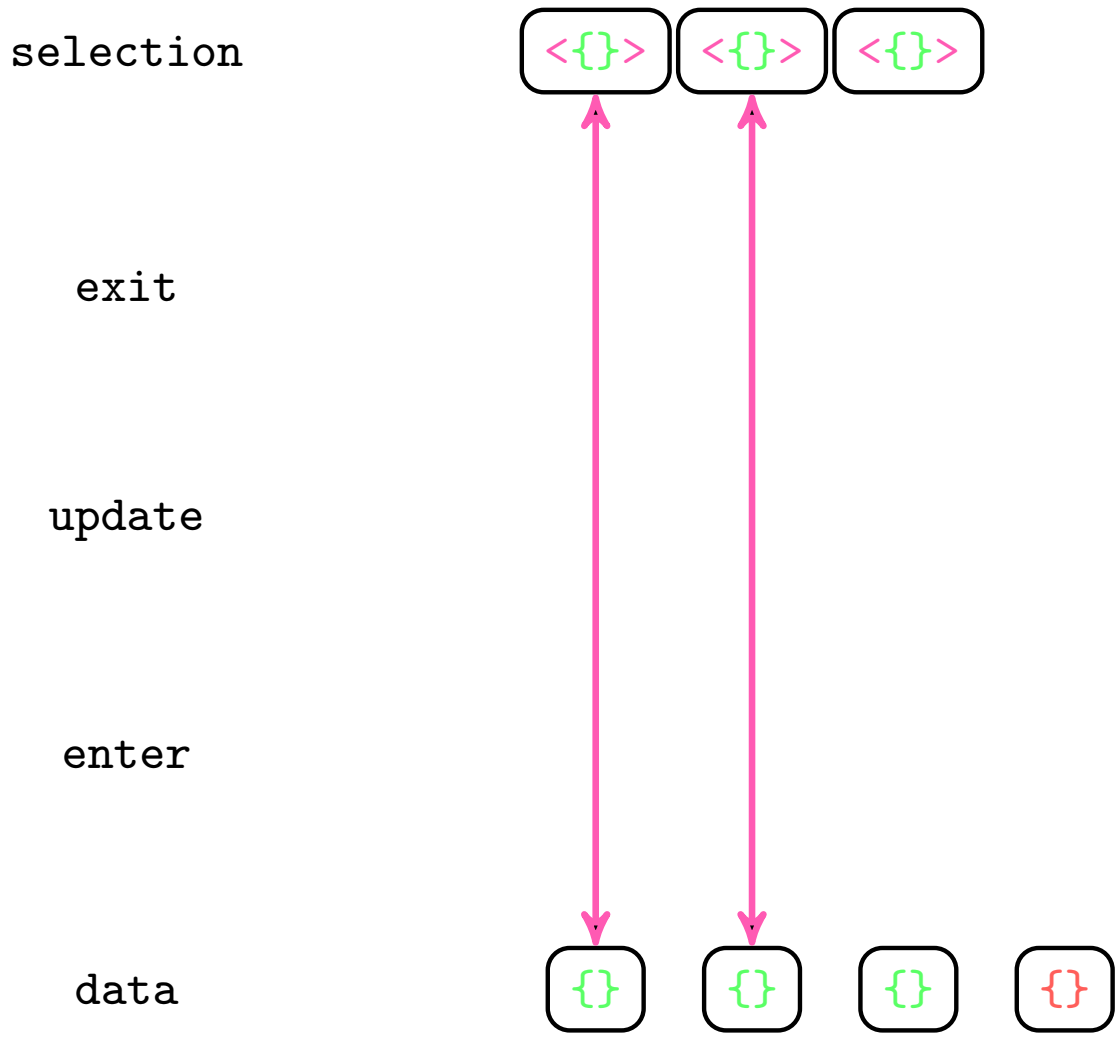
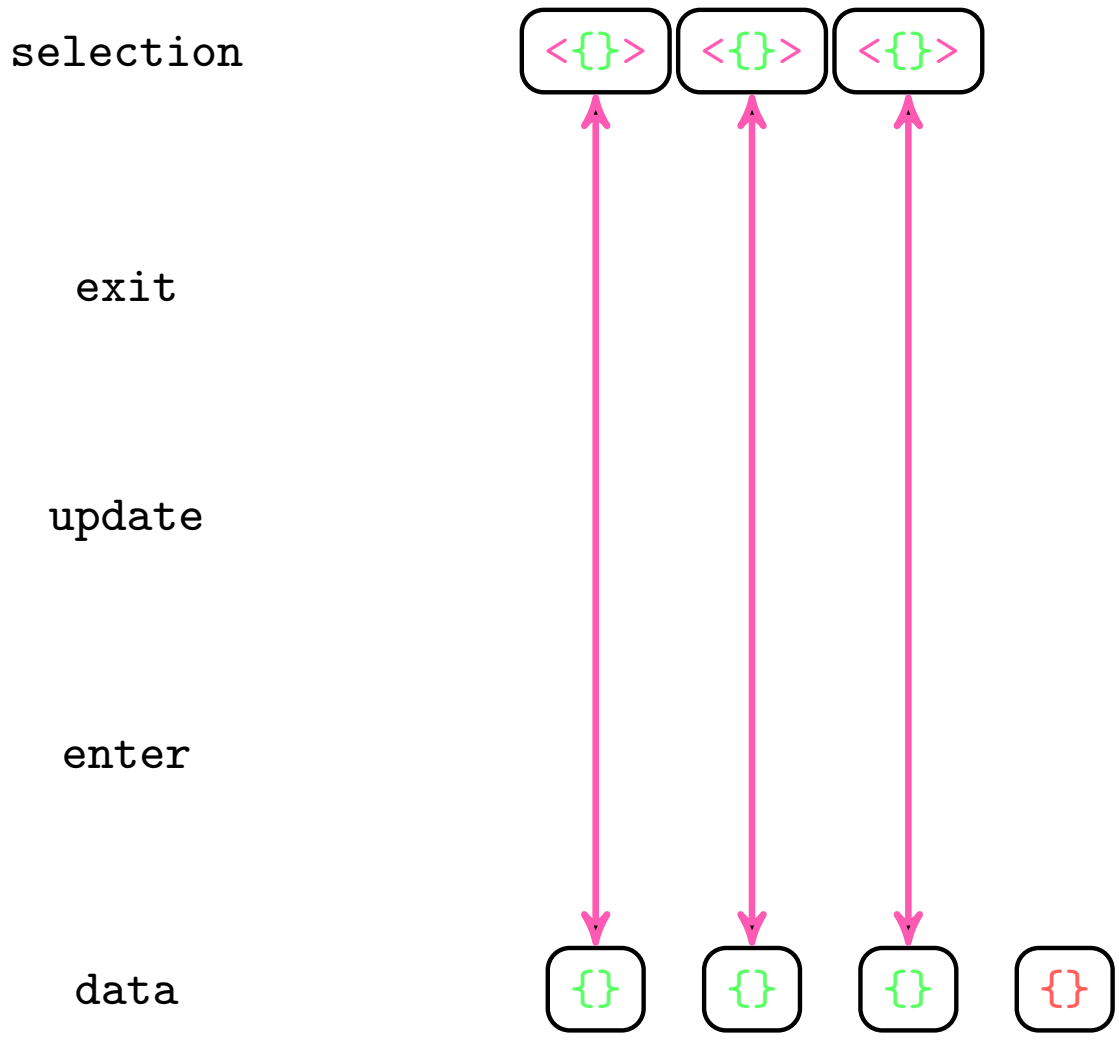


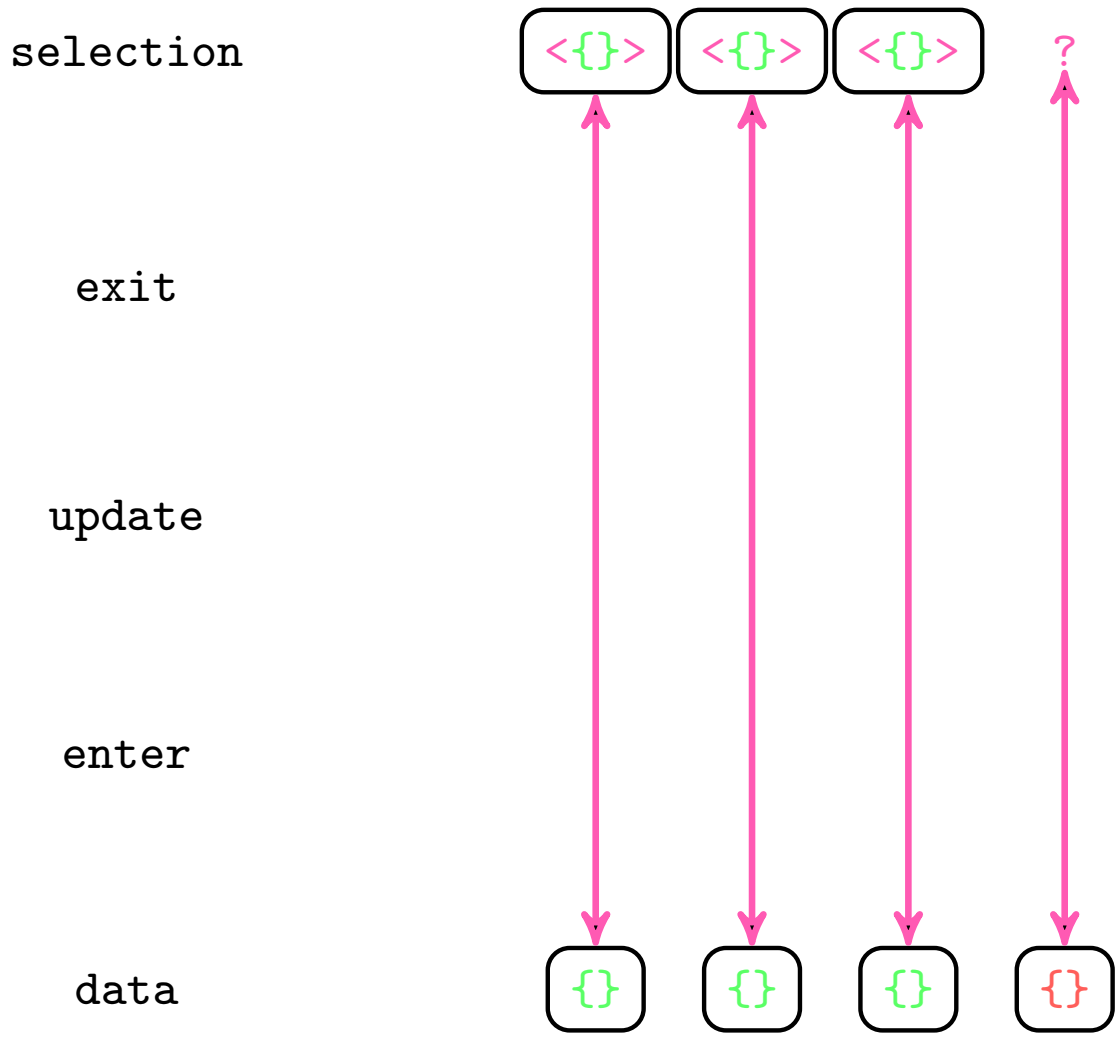
Data Join: flujo típico



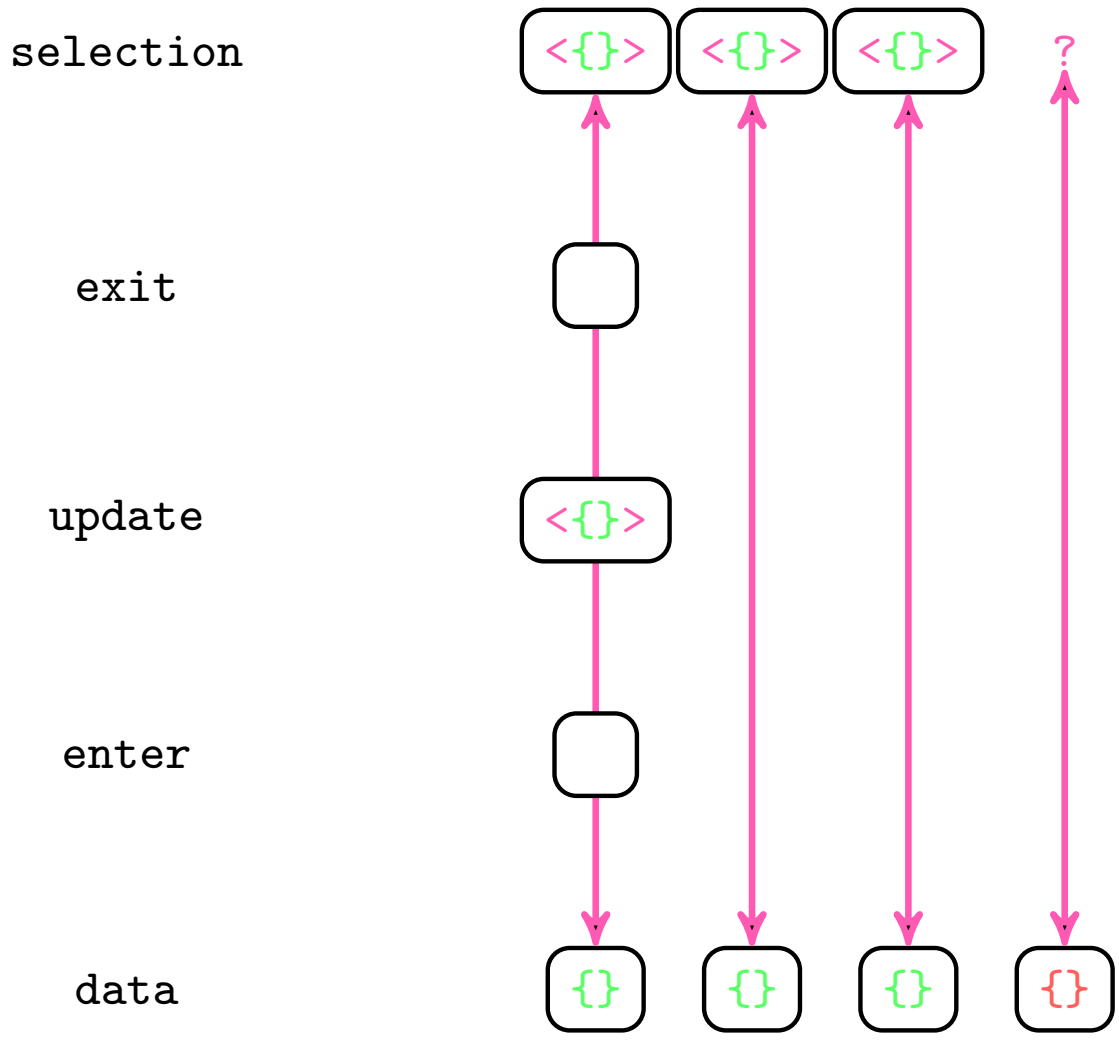
Data Join: flujo típico



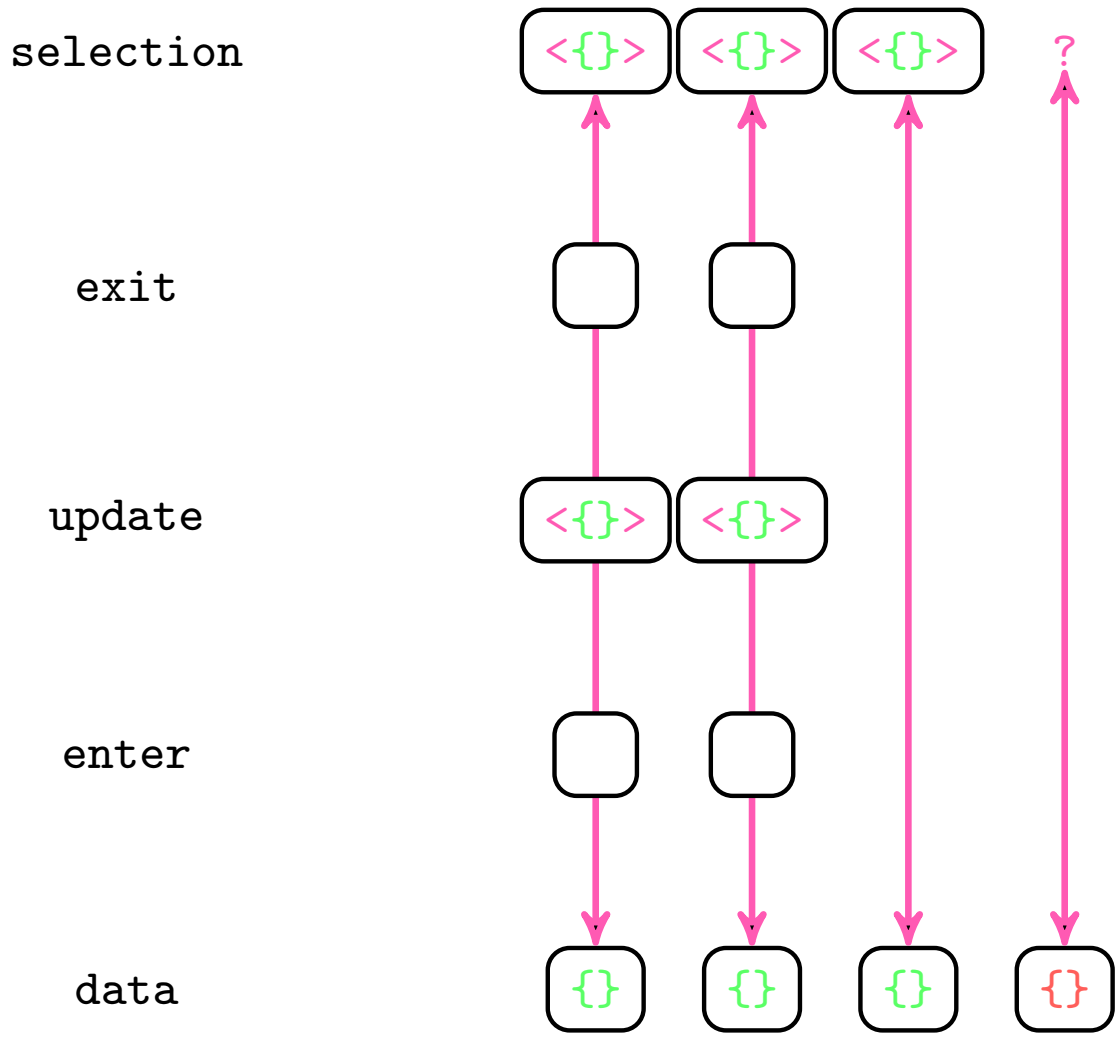
Data Join: flujo típico



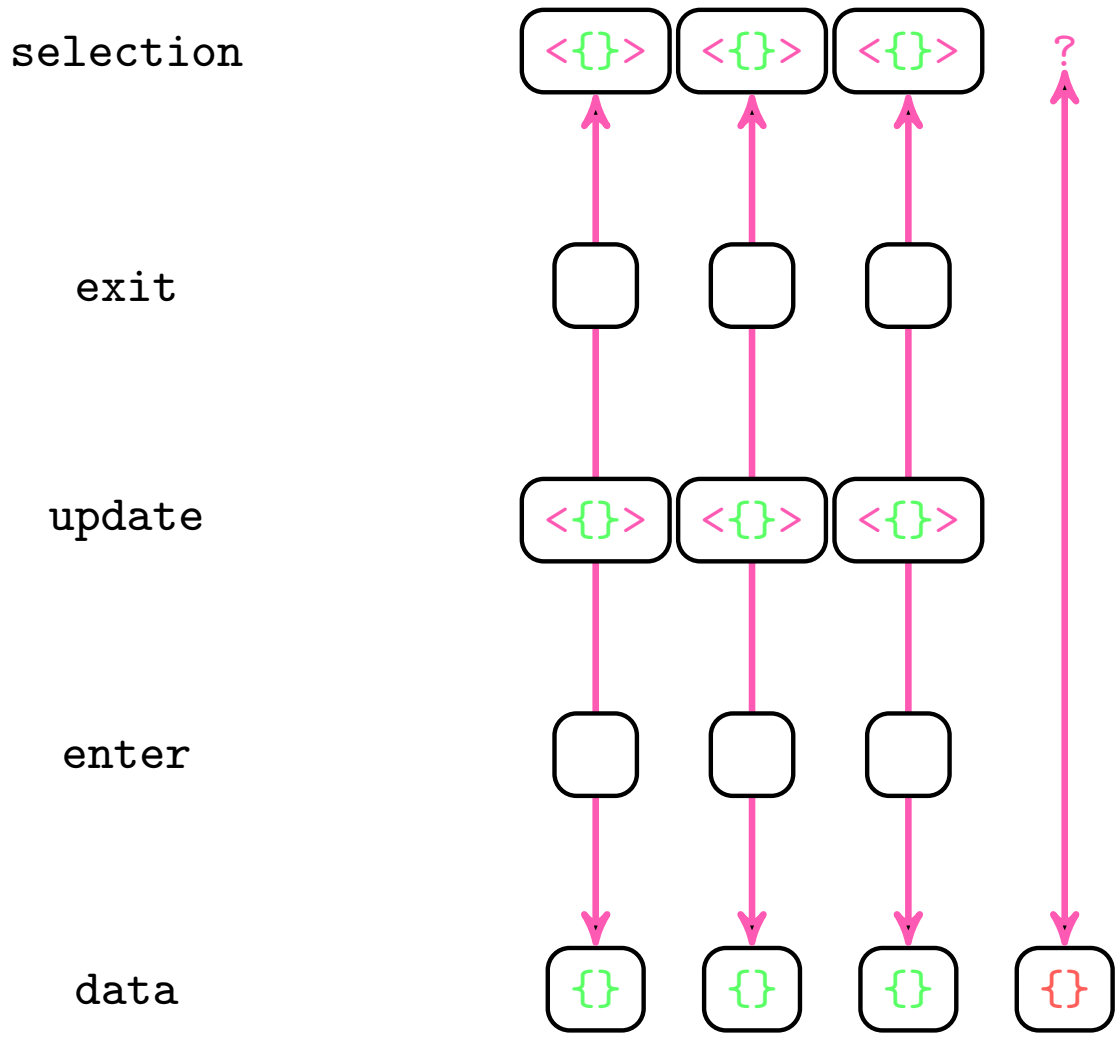
Data Join: flujo típico



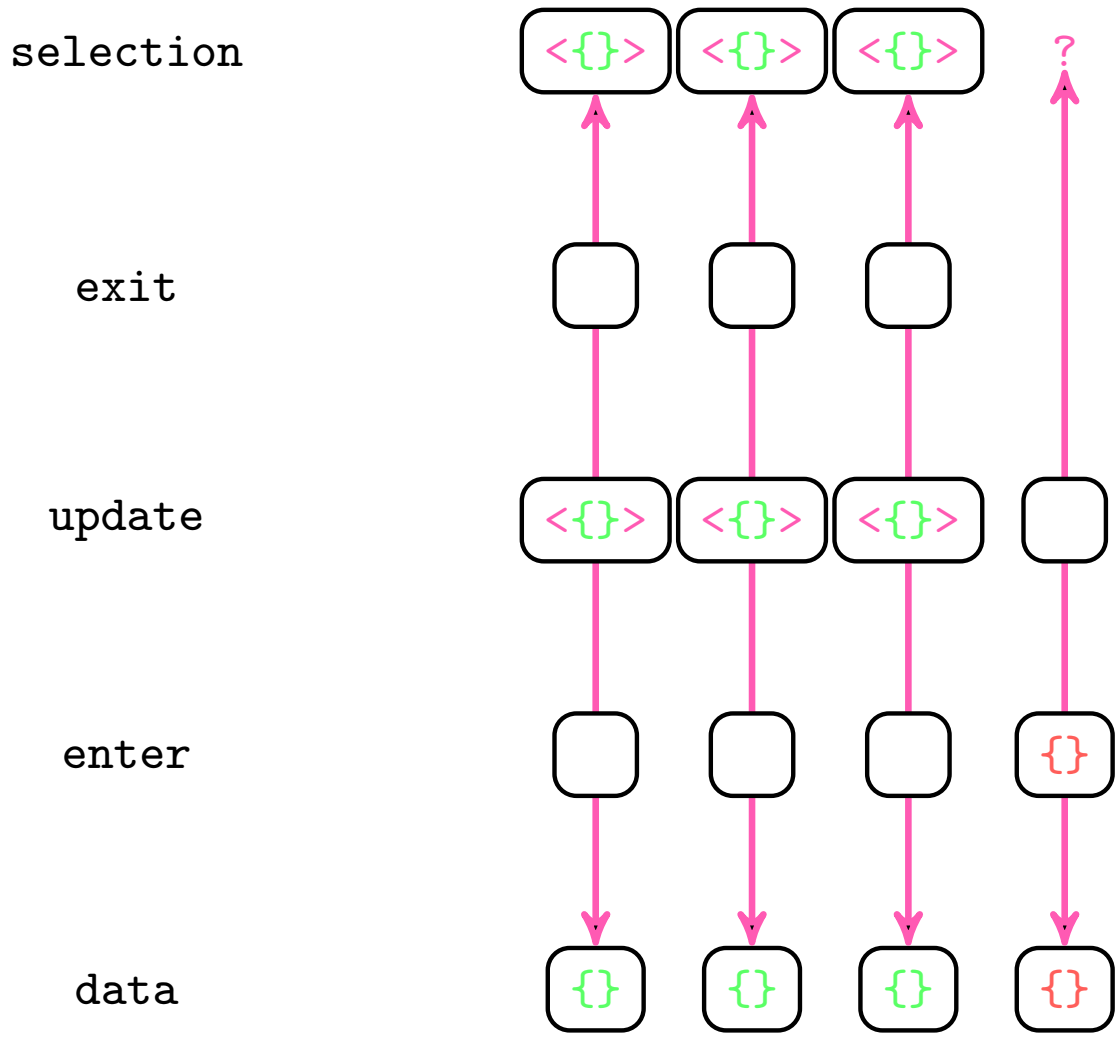
Data Join: flujo típico



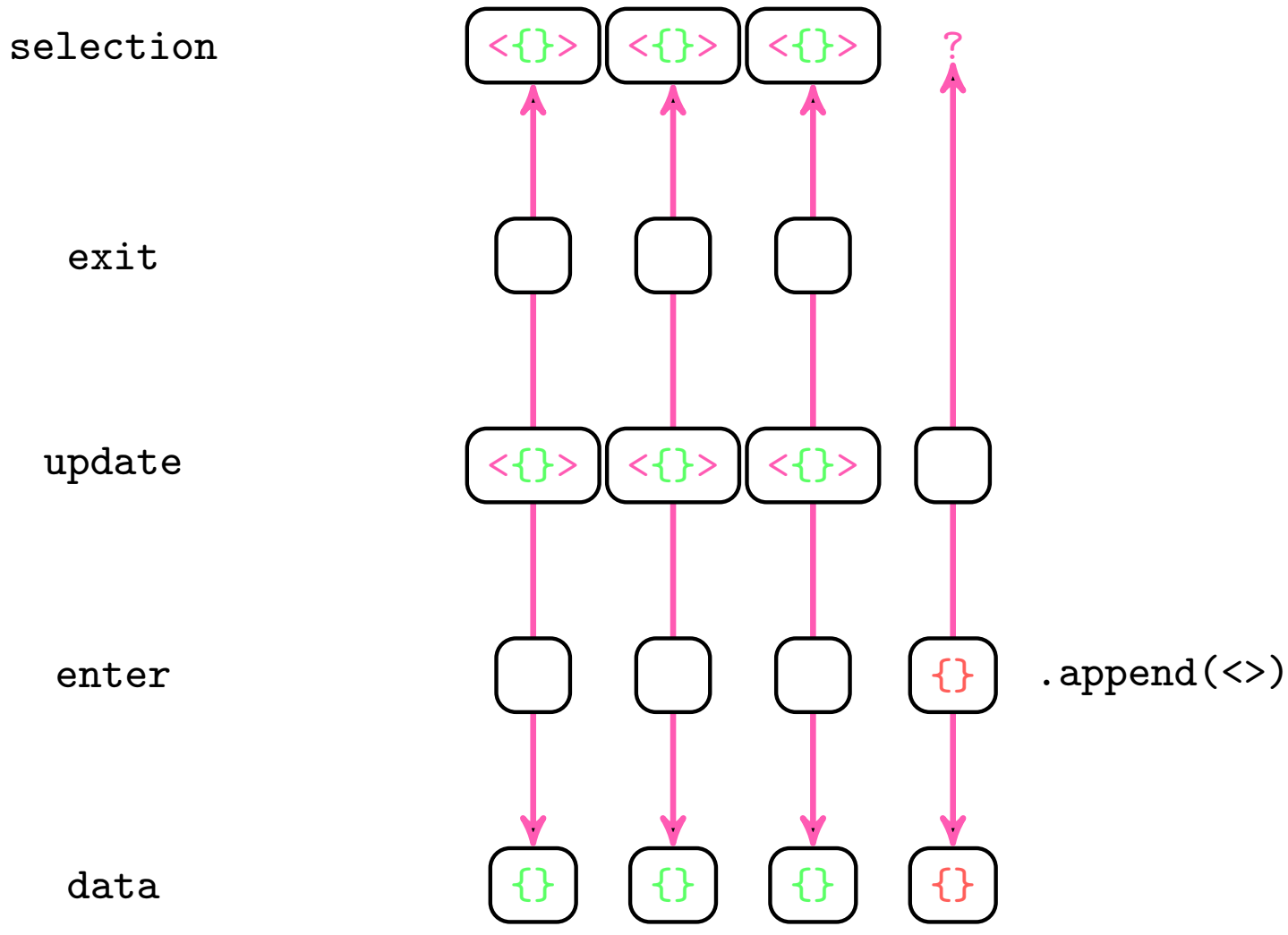
Data Join: flujo típico



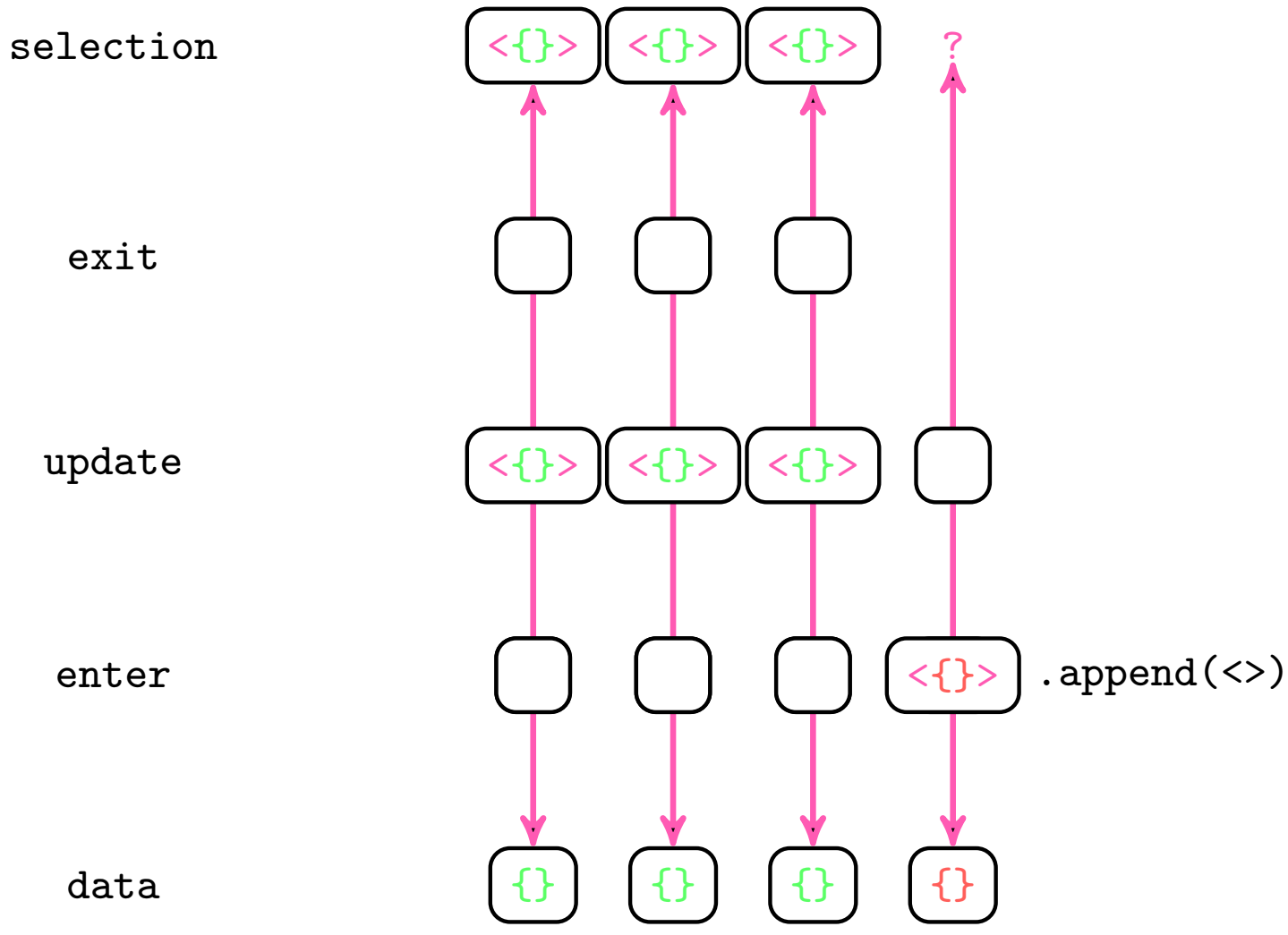
Data Join: flujo típico



Data Join: flujo típico

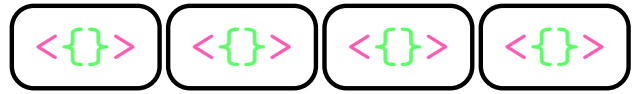


Data Join: flujo típico



Data Join: flujo típico

`selection`

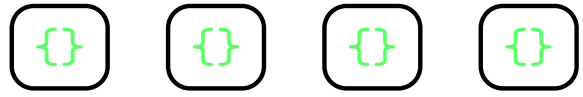


`exit`

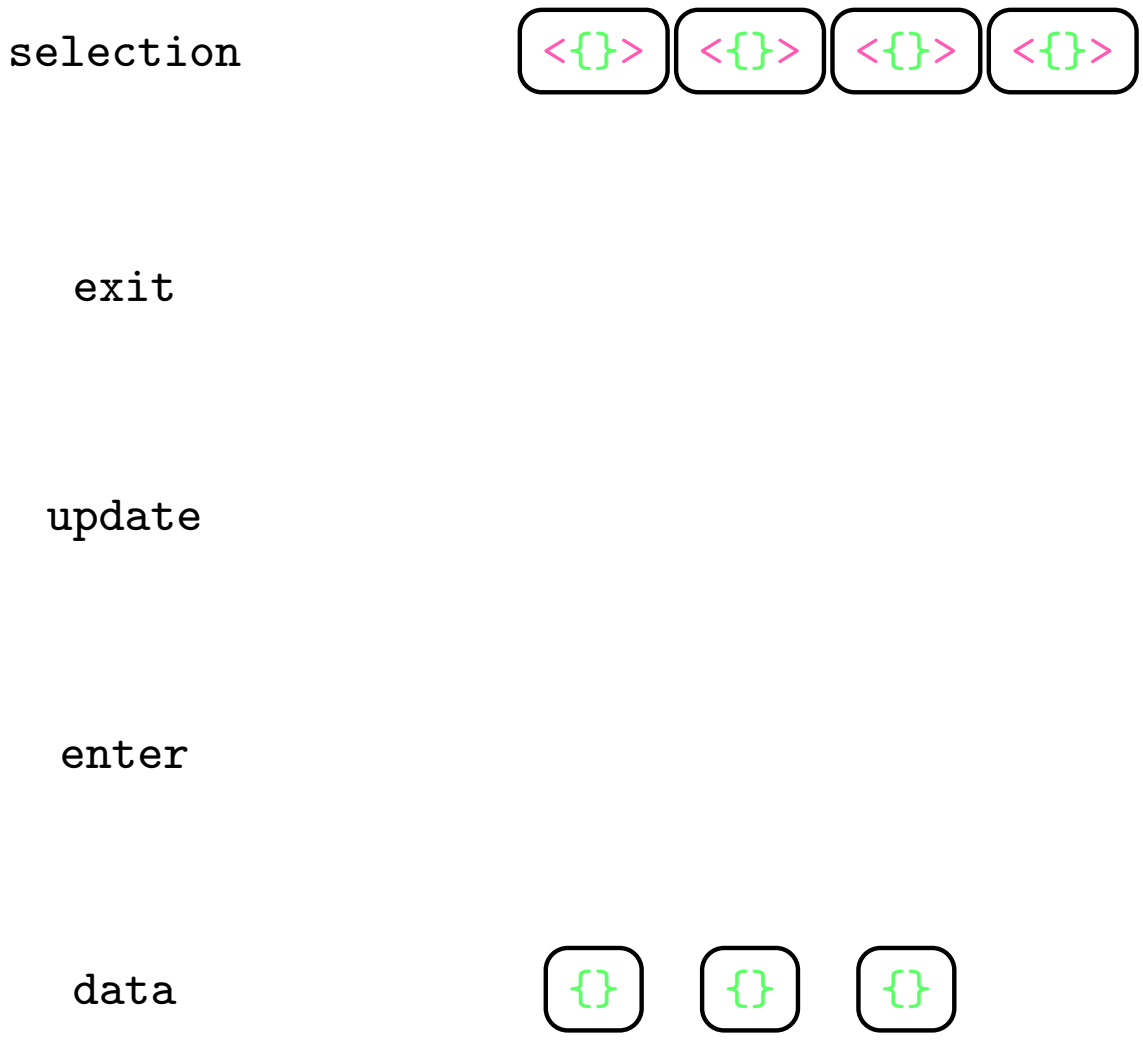
`update`

`enter`

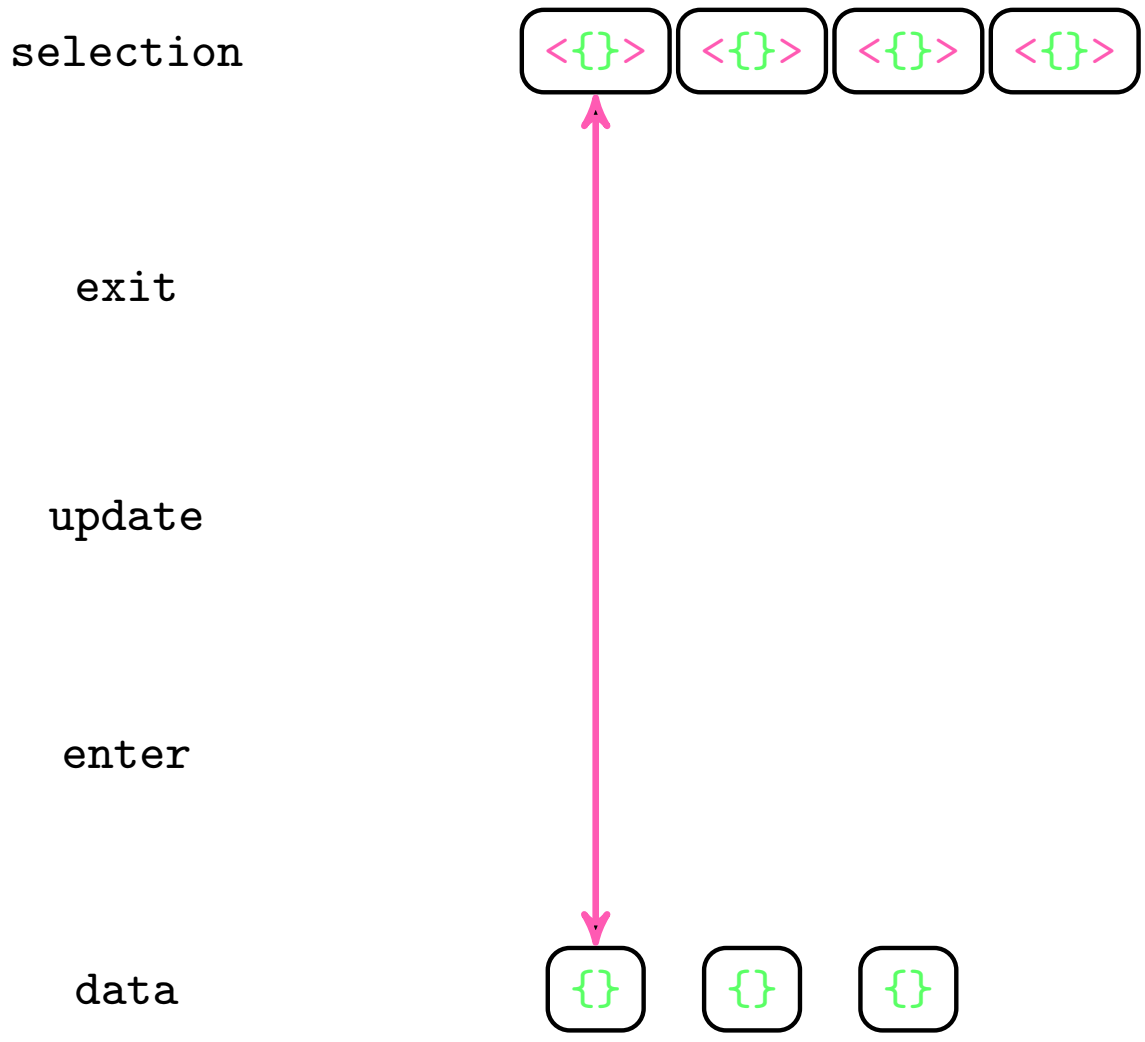
`data`



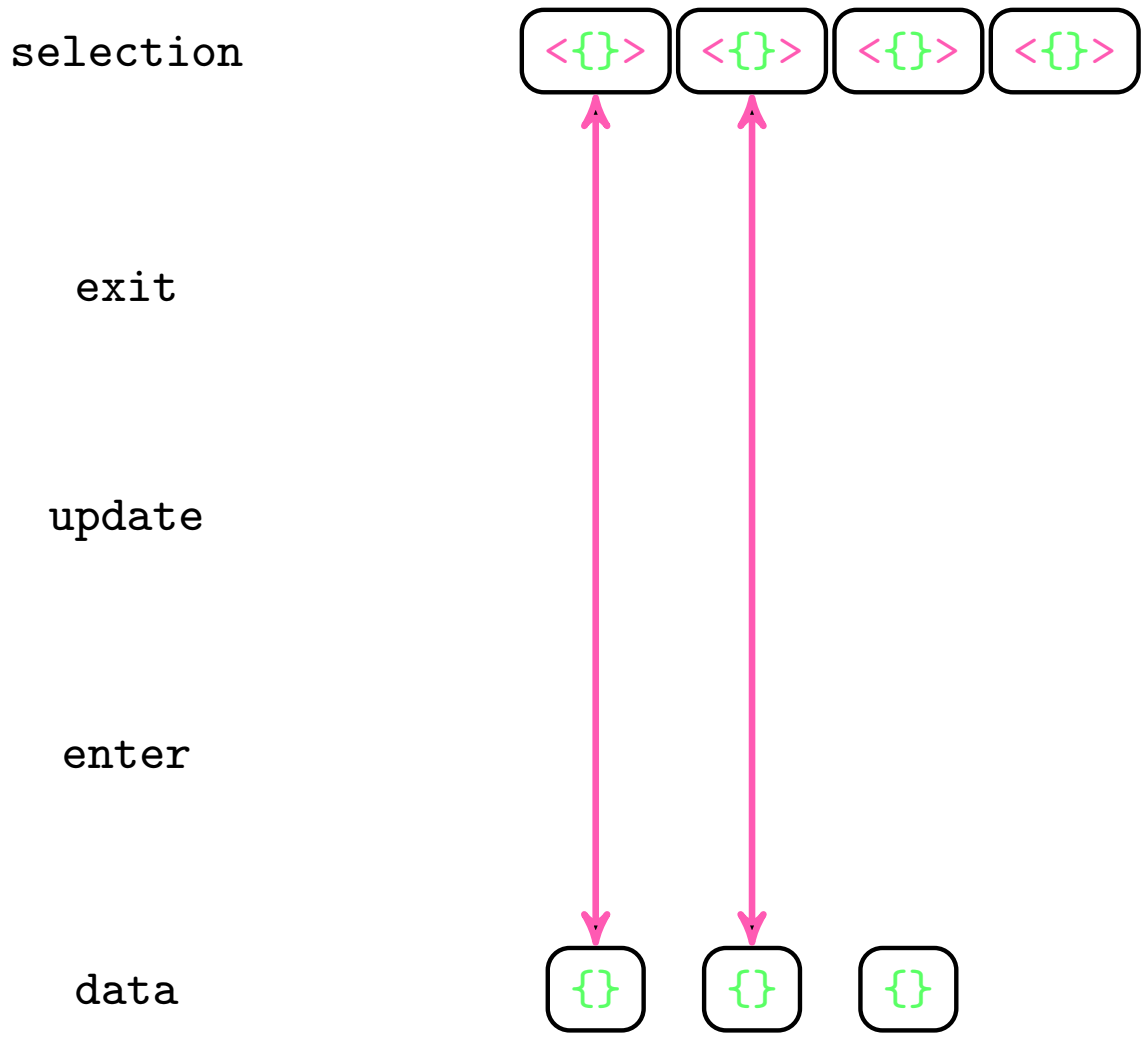
Data Join: flujo típico



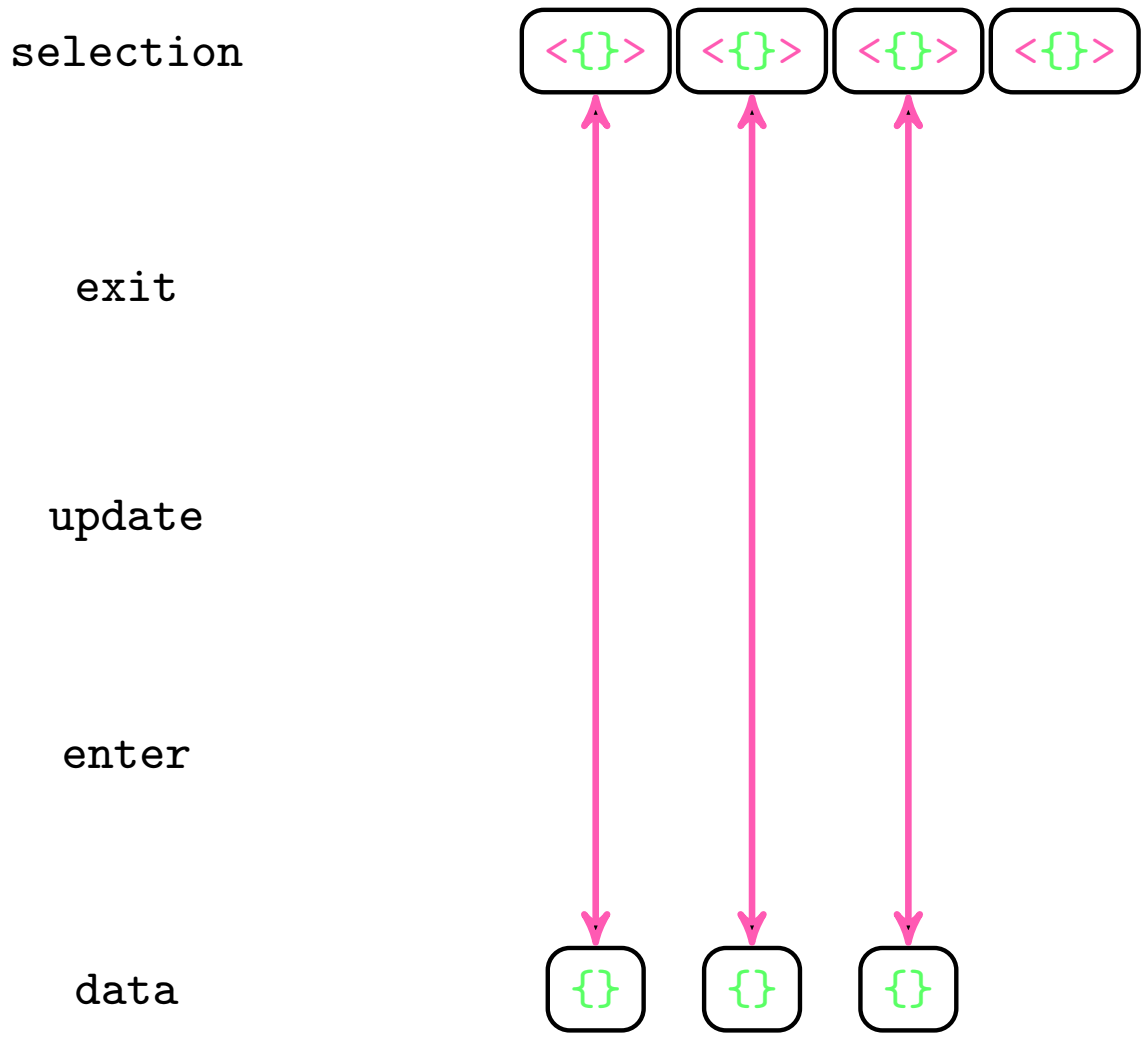
Data Join: flujo típico



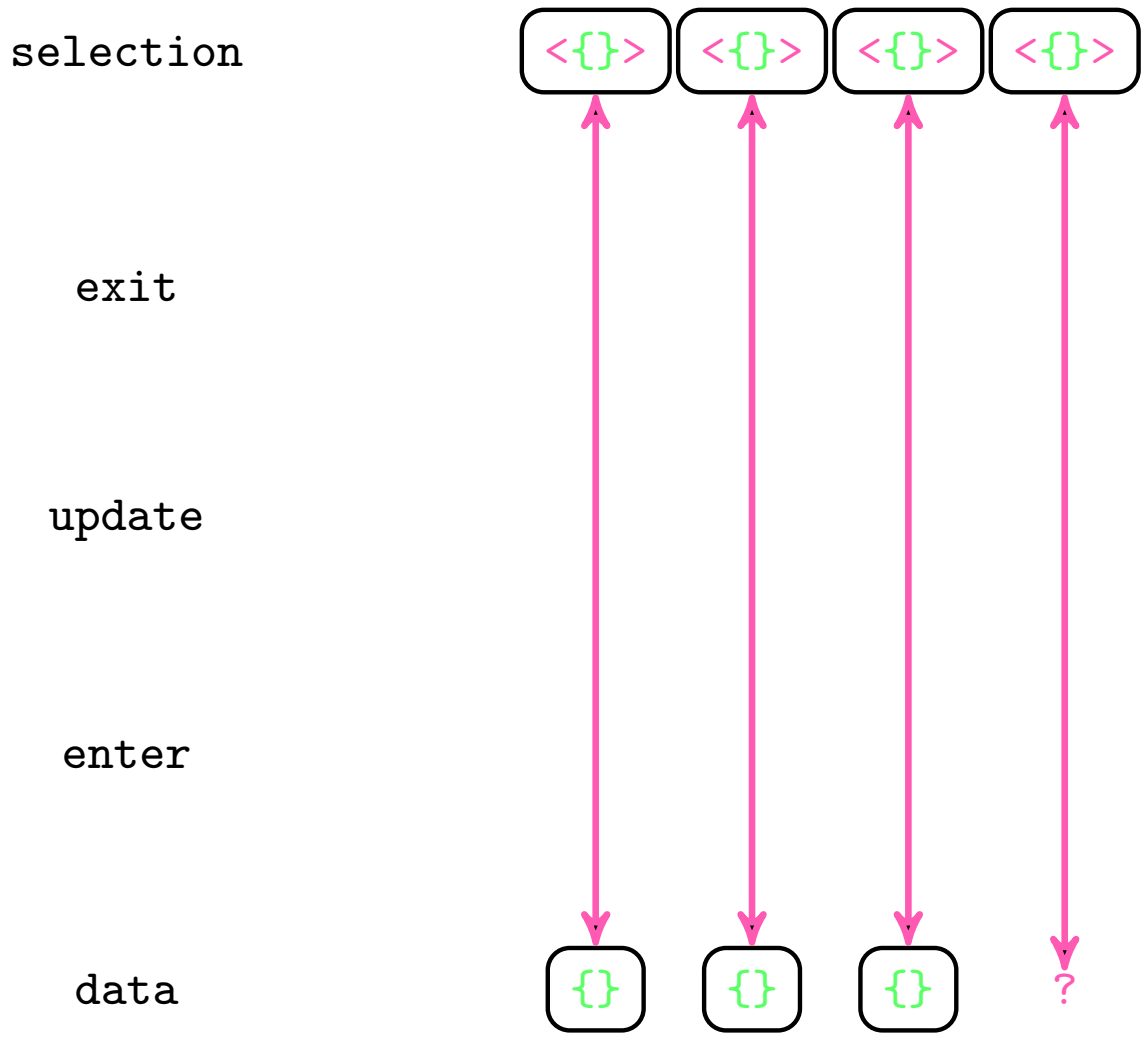
Data Join: flujo típico



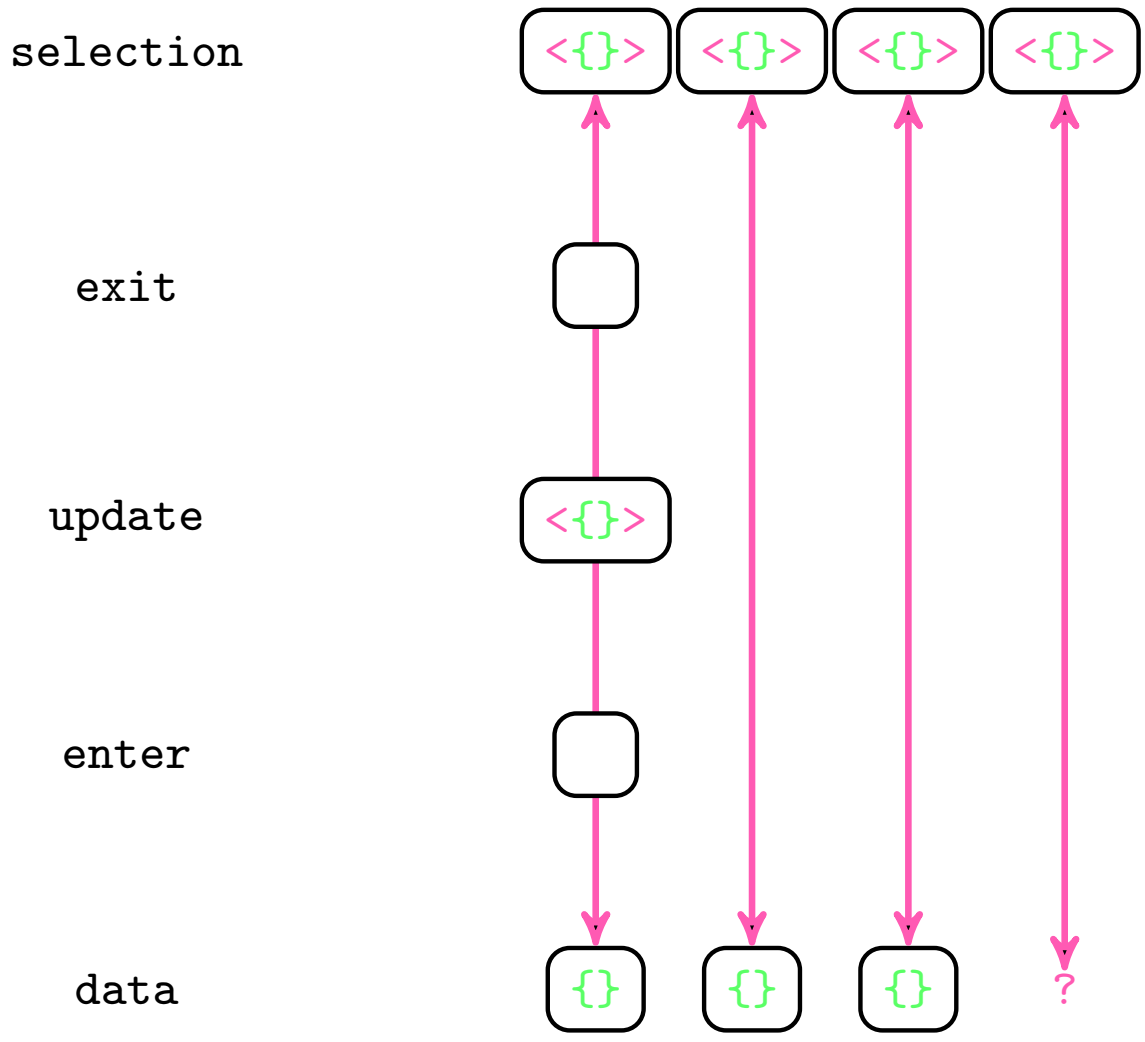
Data Join: flujo típico



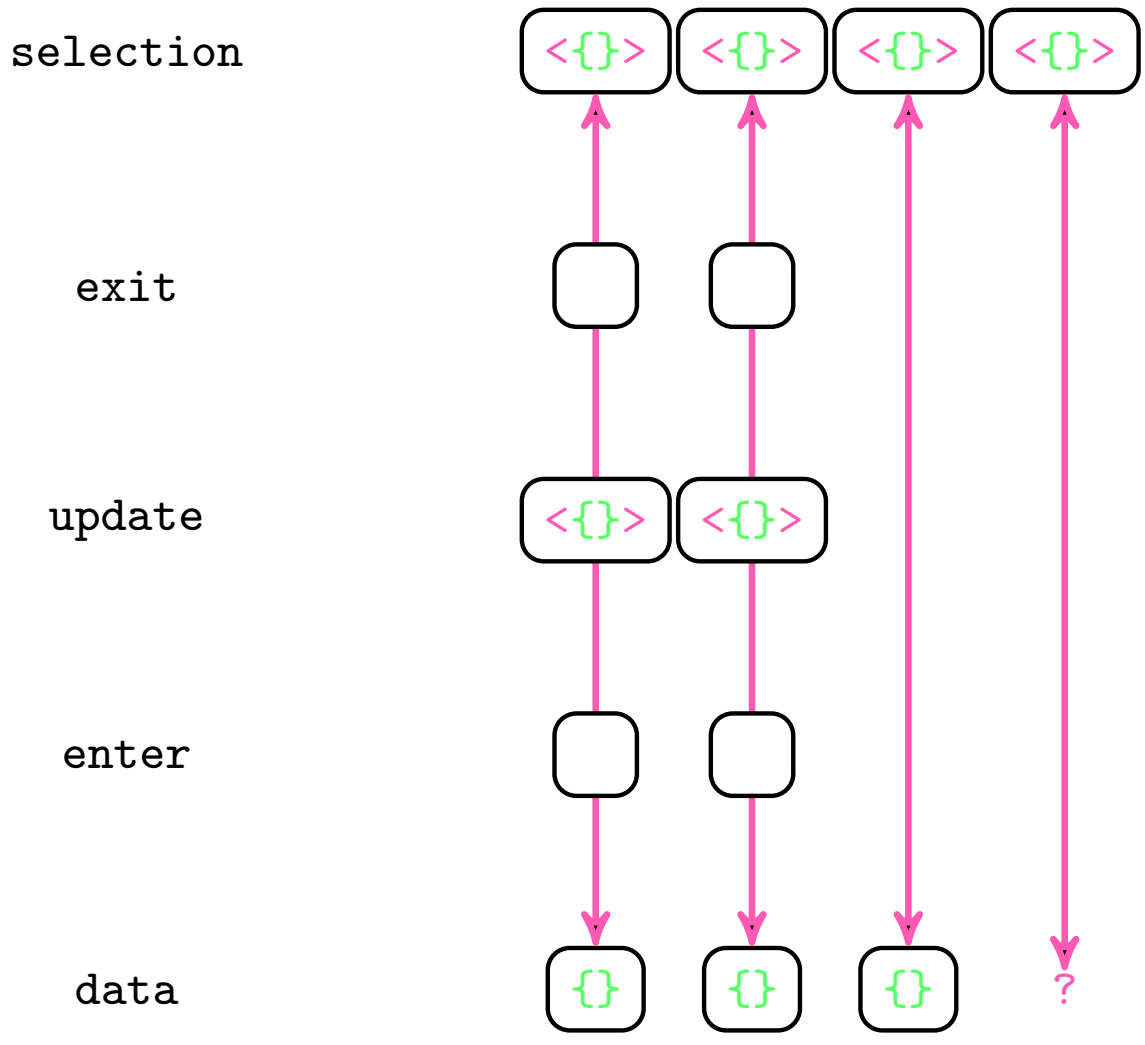
Data Join: flujo típico



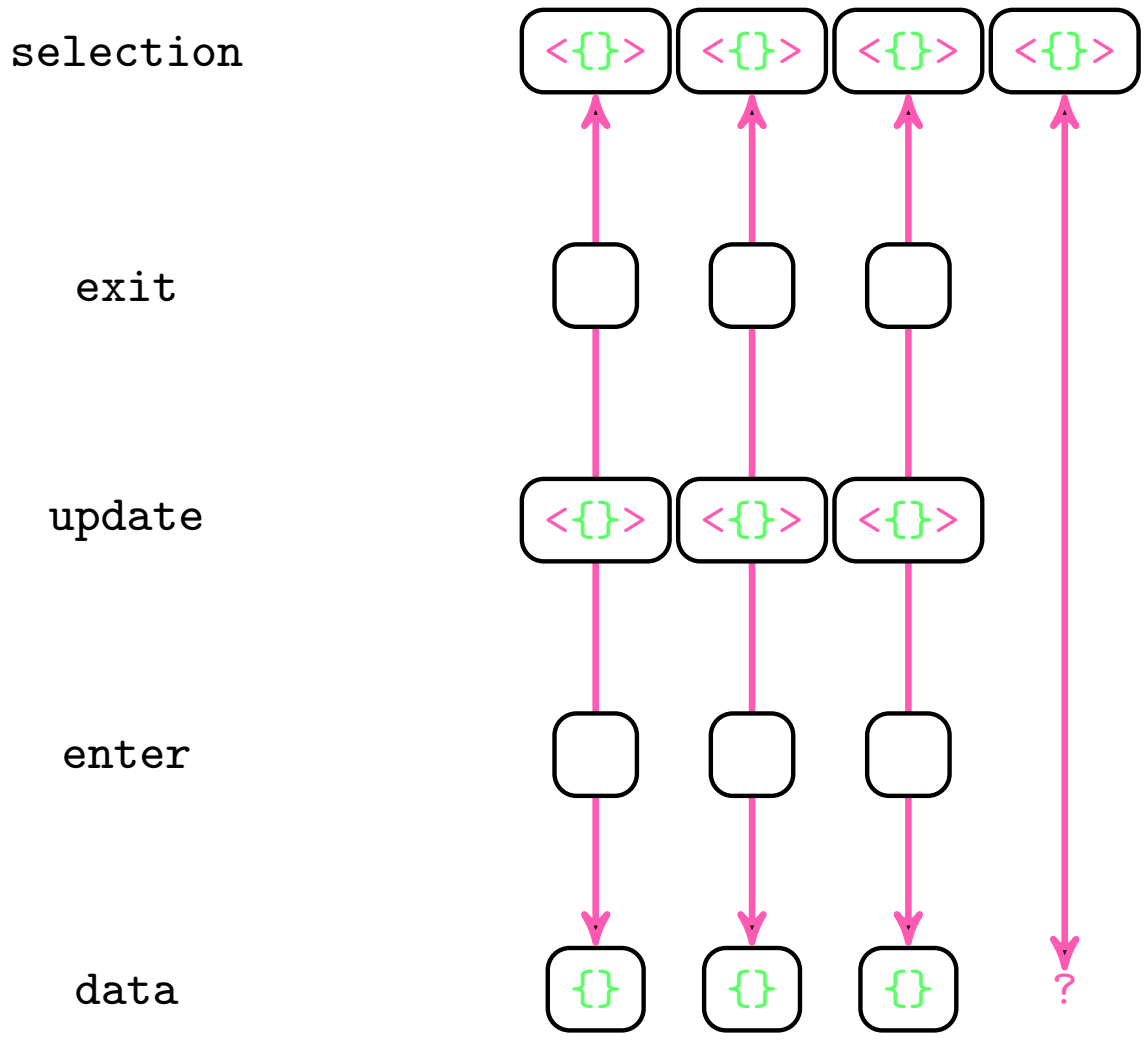
Data Join: flujo típico



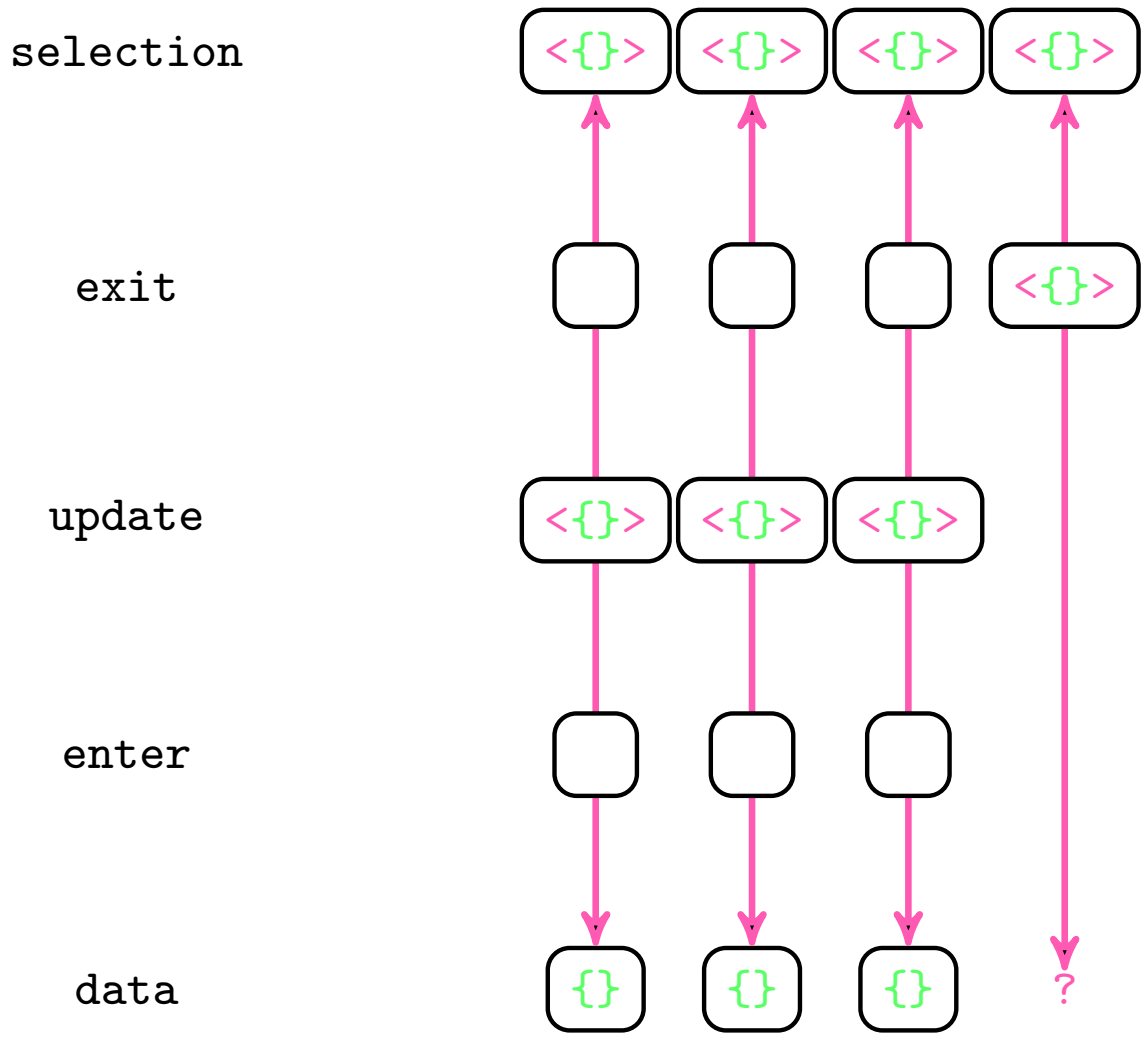
Data Join: flujo típico



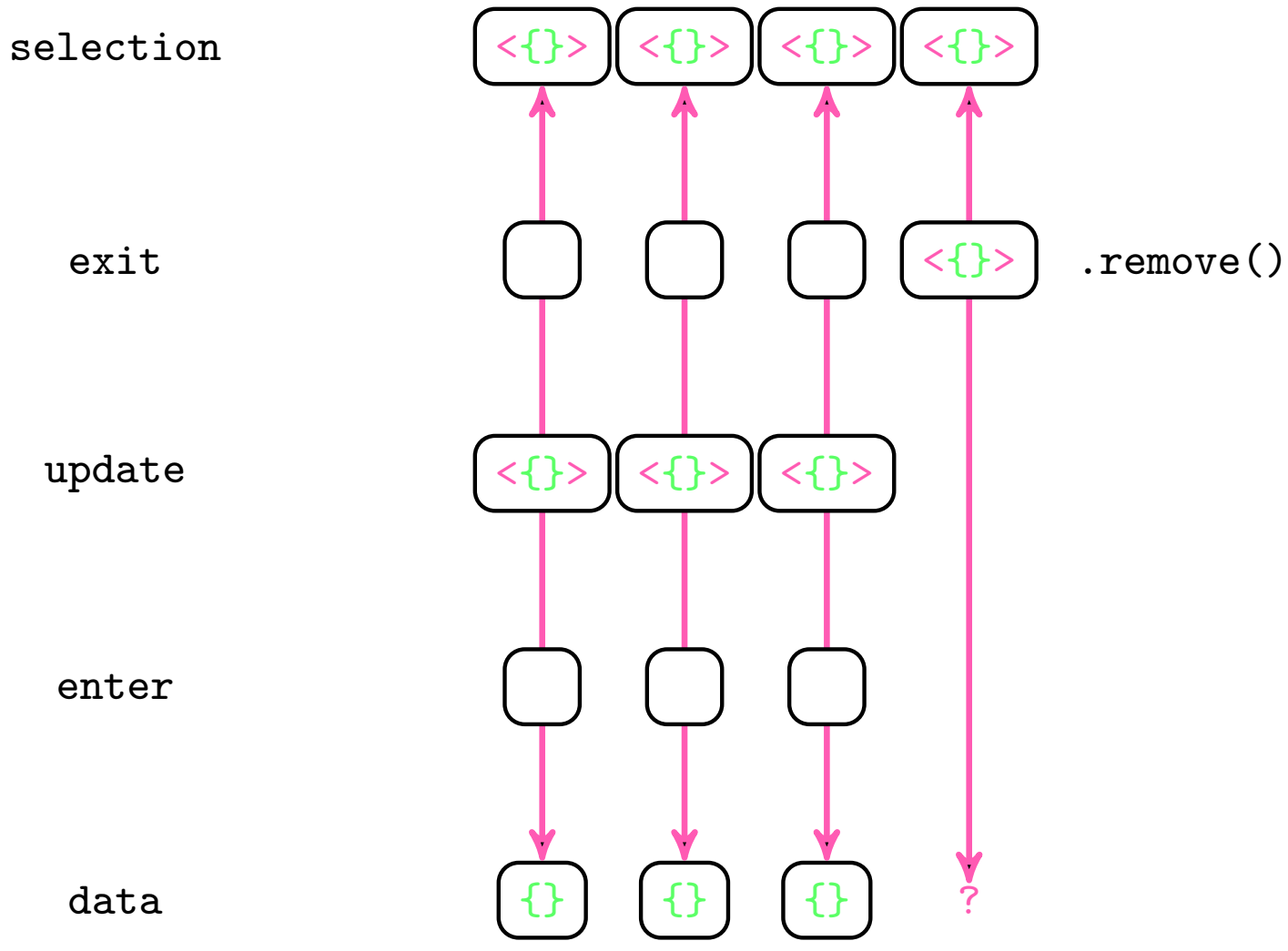
Data Join: flujo típico



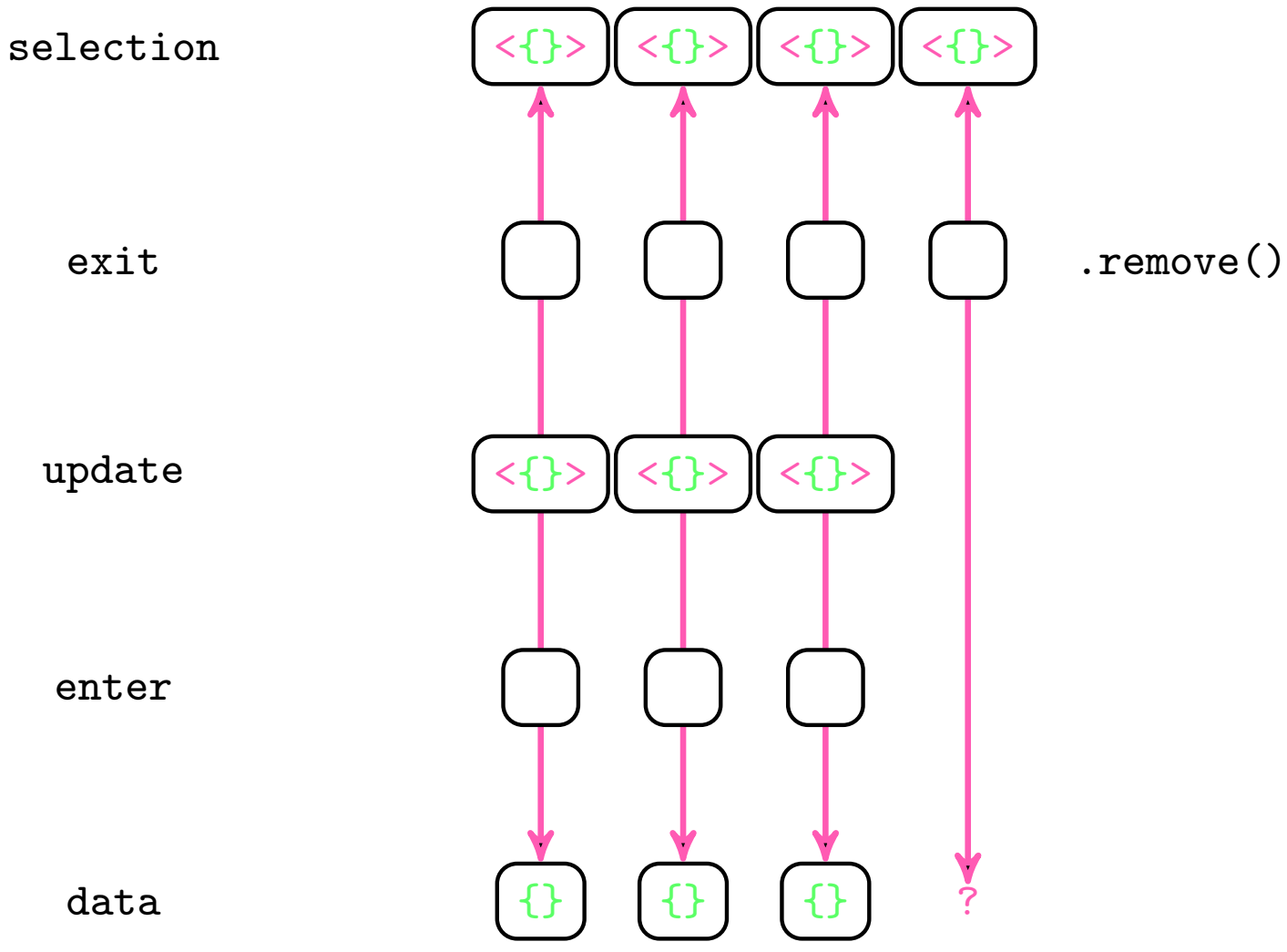
Data Join: flujo típico



Data Join: flujo típico

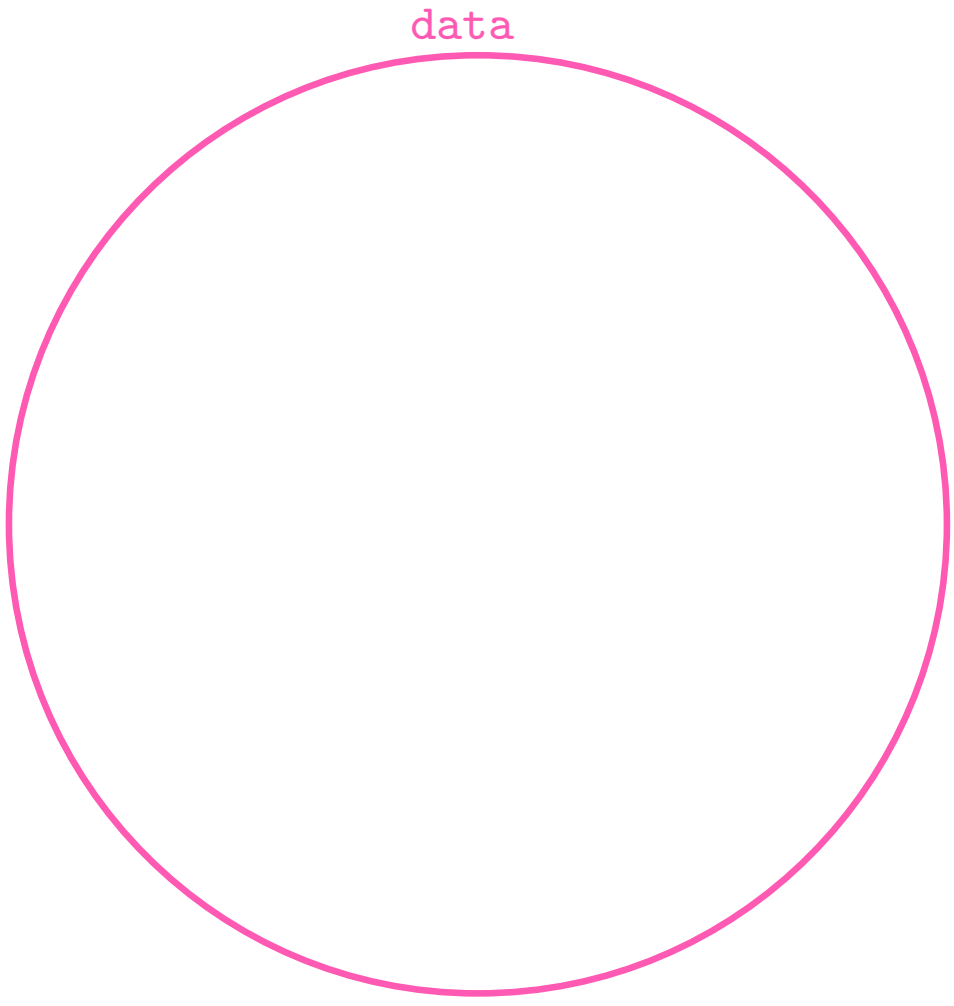


Data Join: flujo típico

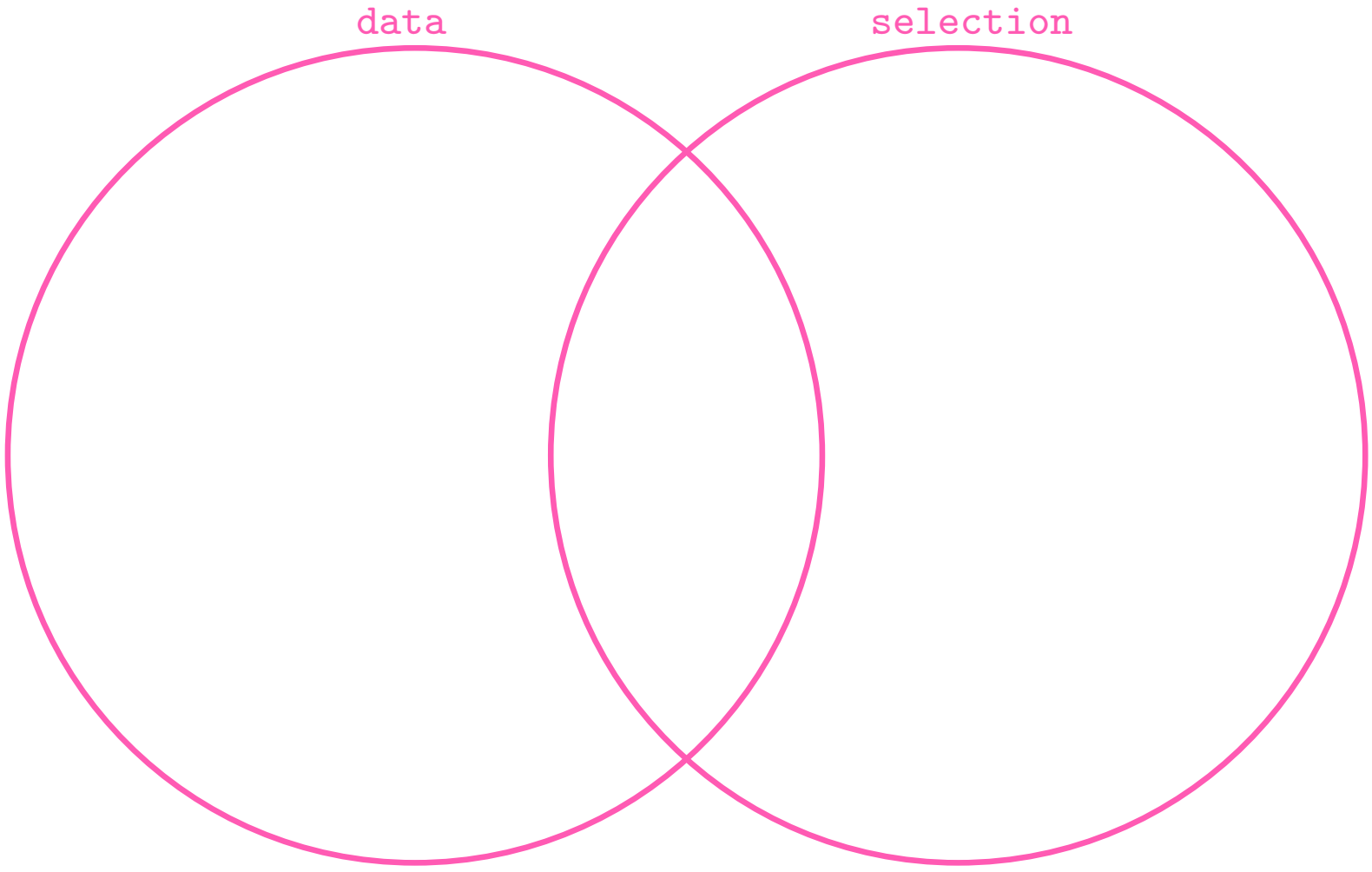


Data Join: overview

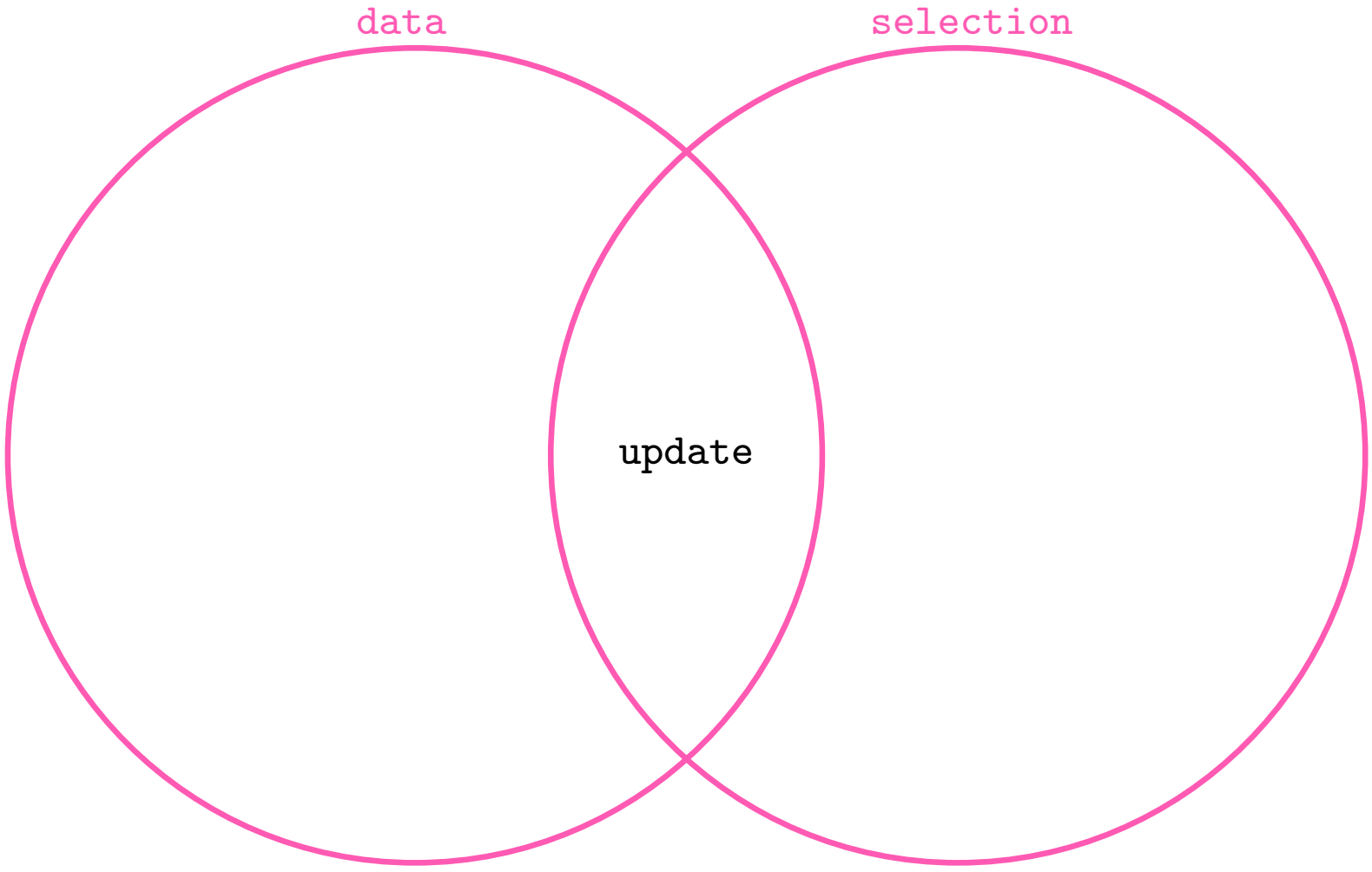
Data Join: overview



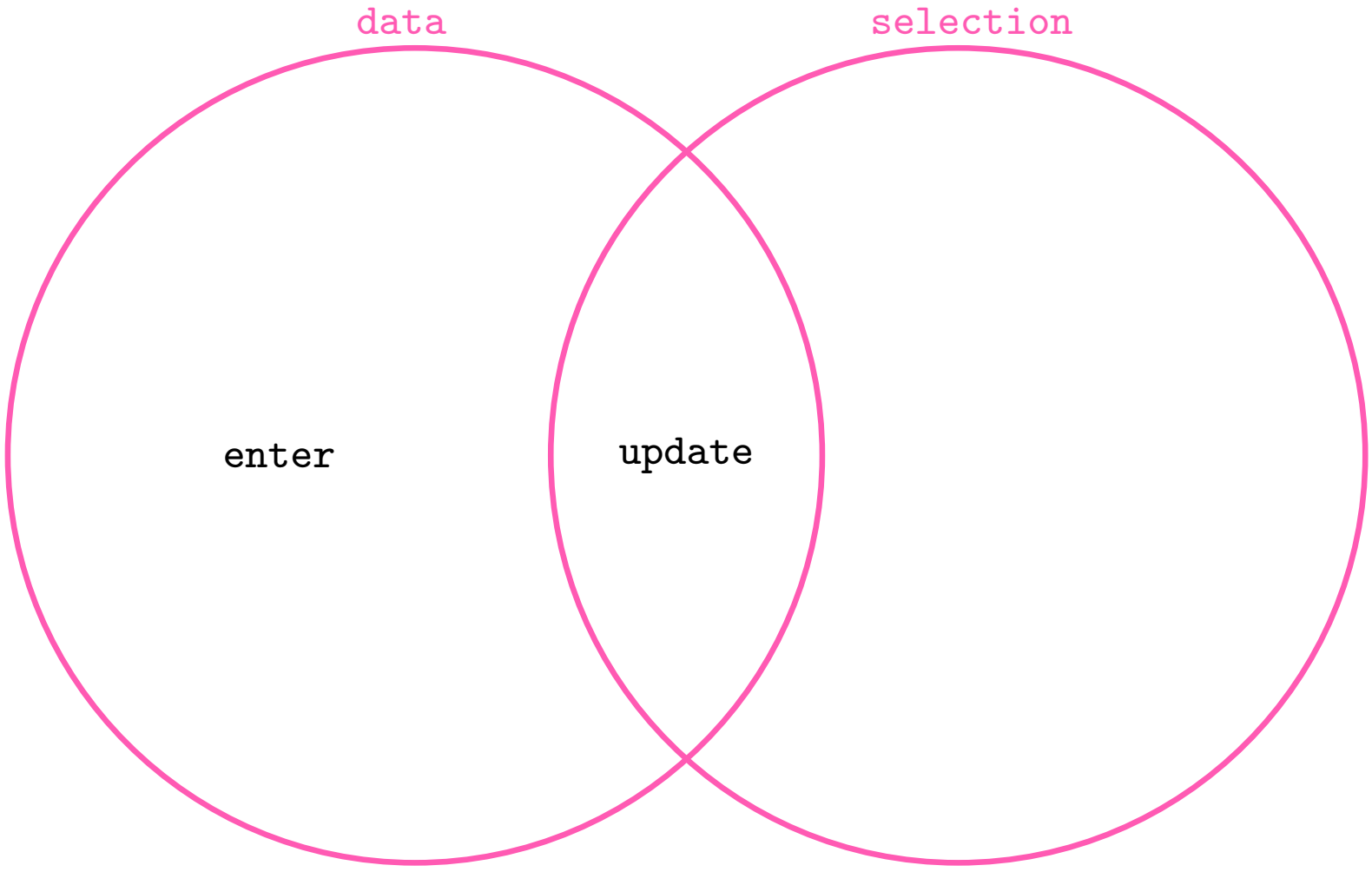
Data Join: overview



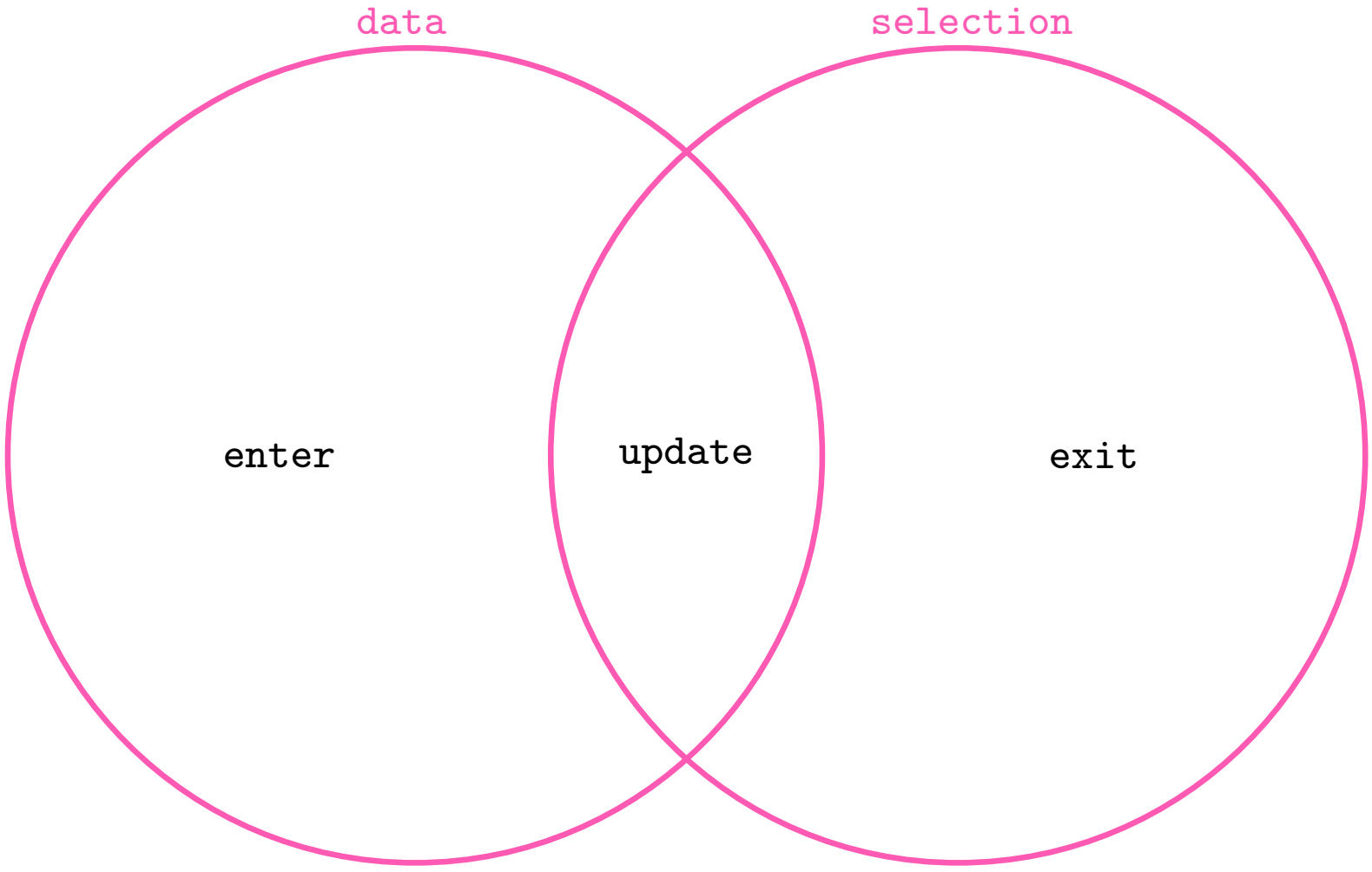
Data Join: overview



Data Join: overview

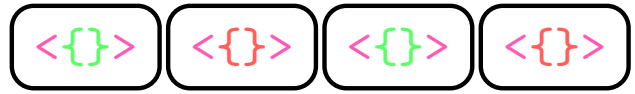


Data Join: overview



Data Join: caso raro

`selection`

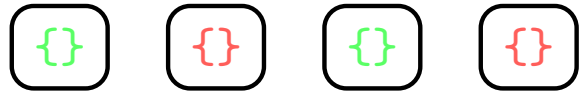


`exit`

`update`

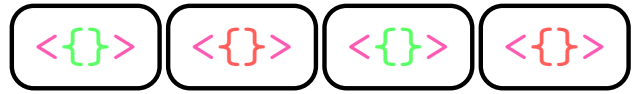
`enter`

`data`



Data Join: caso raro

`selection`



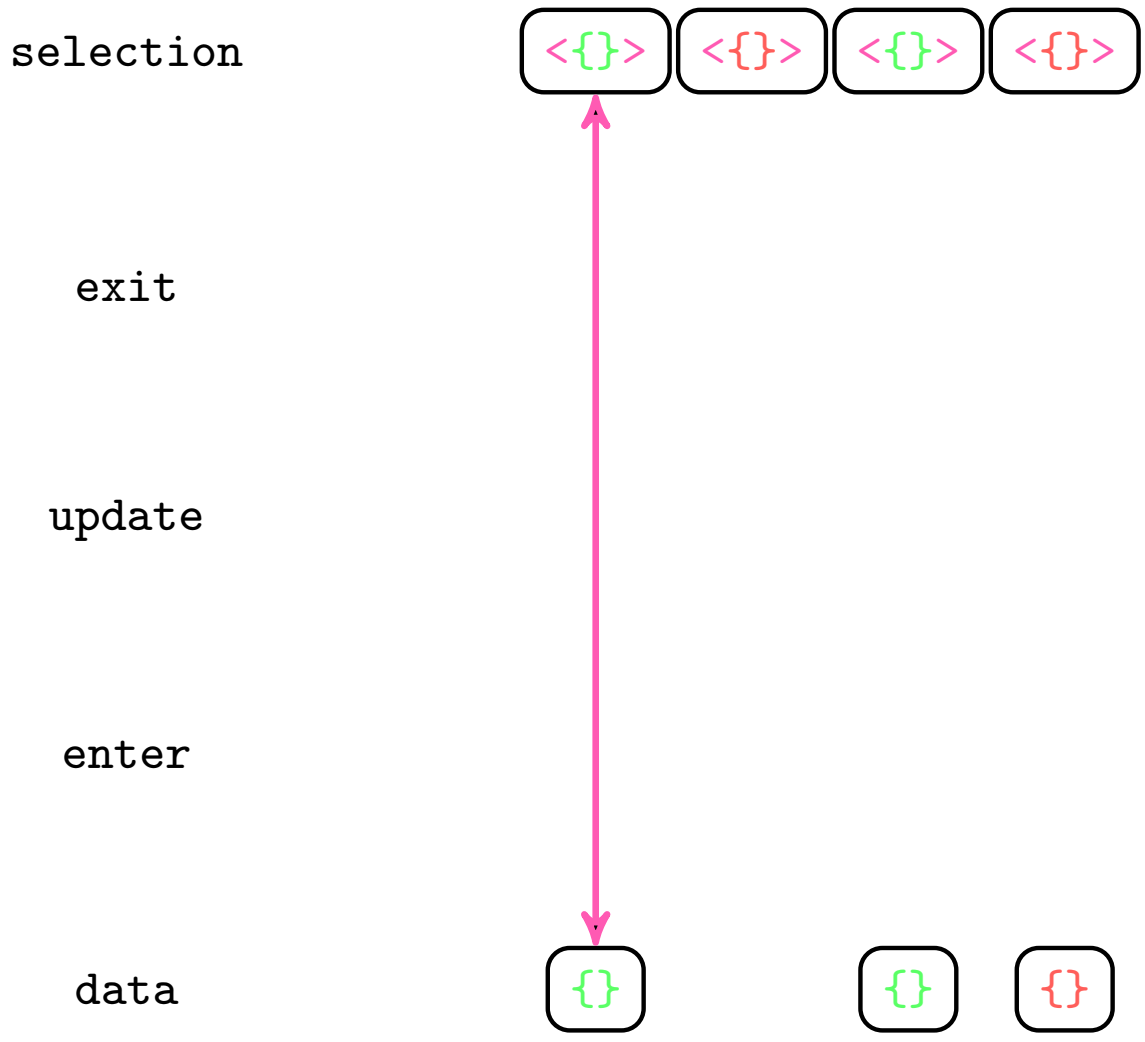
`exit`

`update`

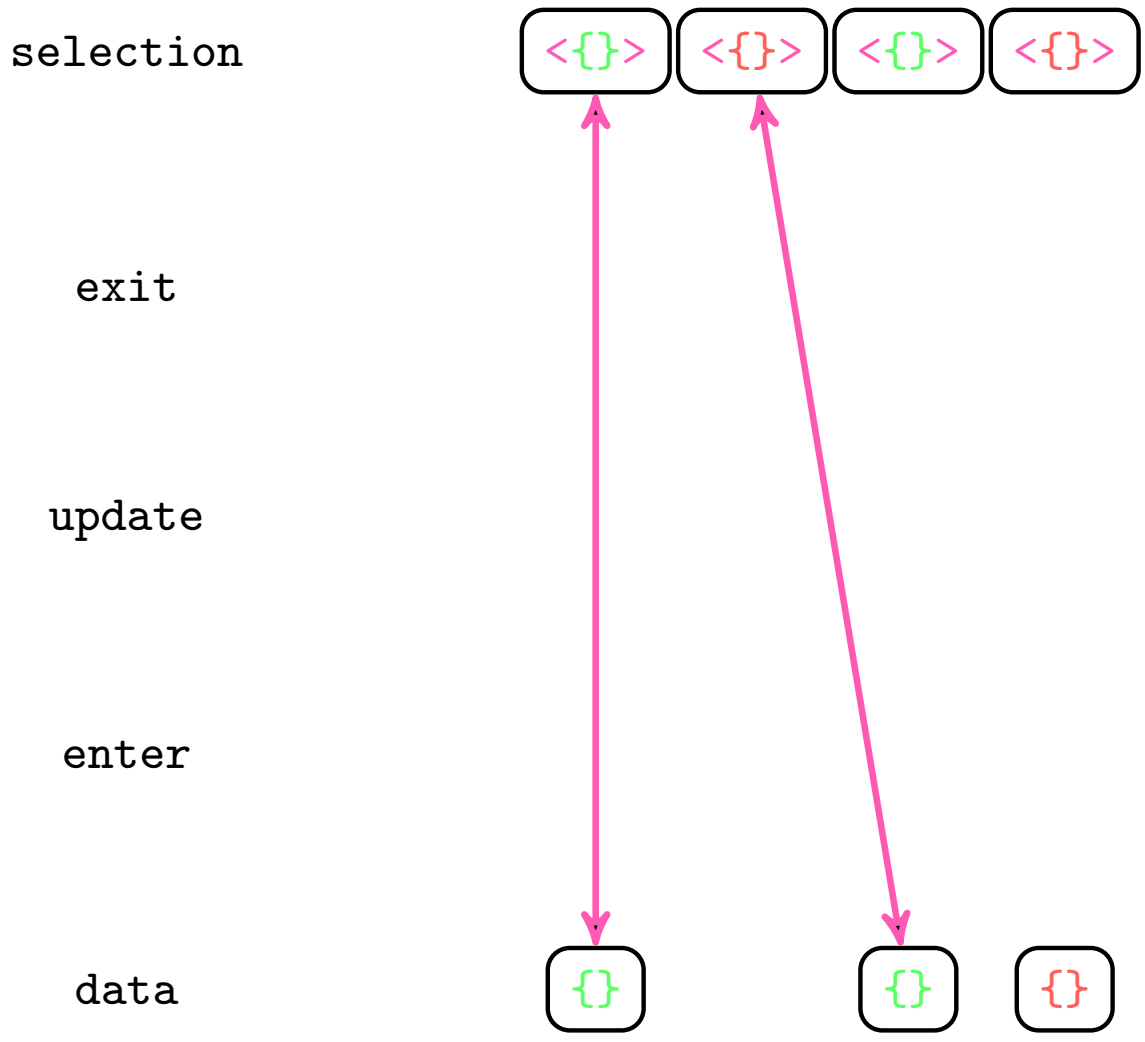
`enter`

`data`

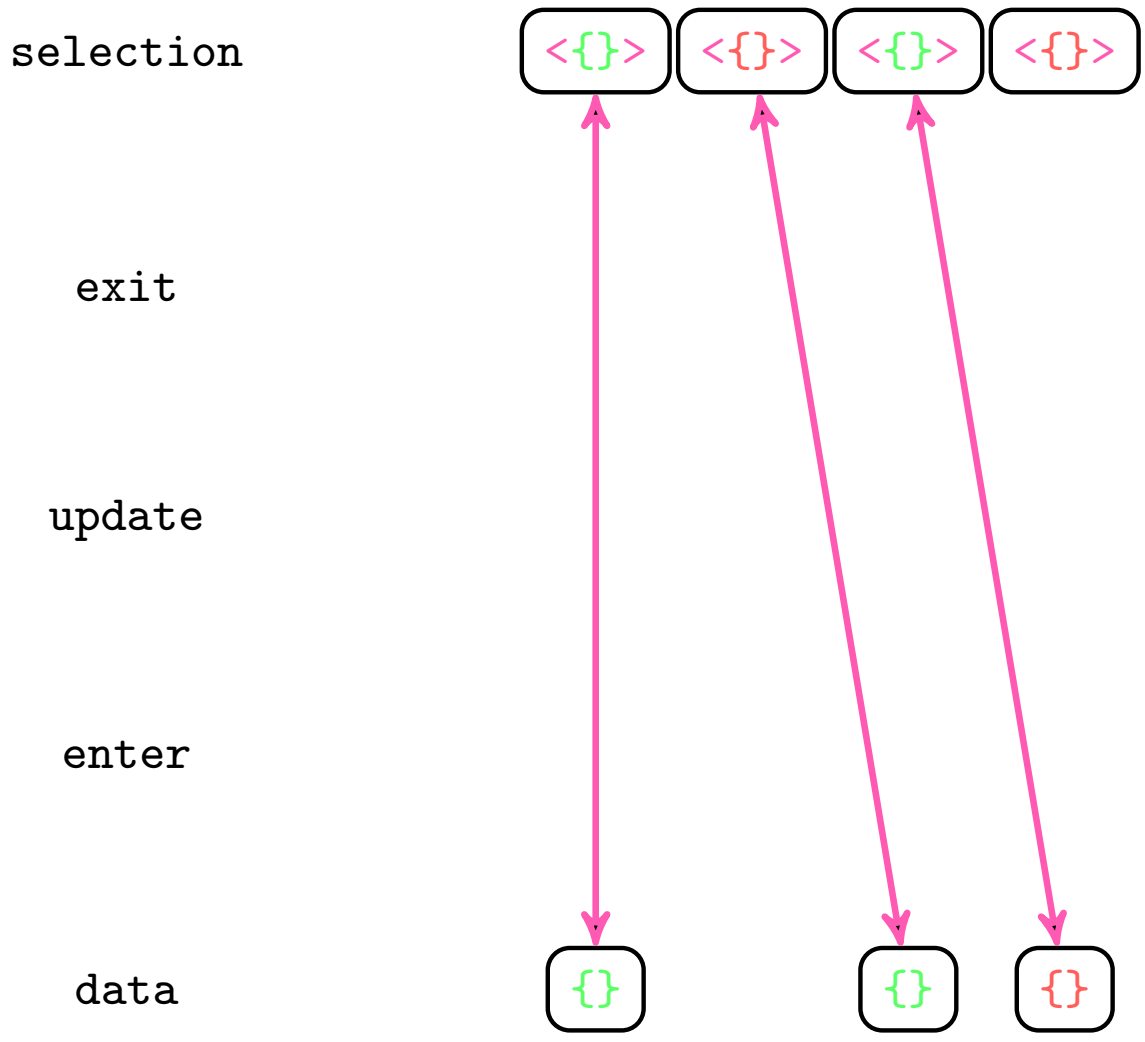
Data Join: caso raro



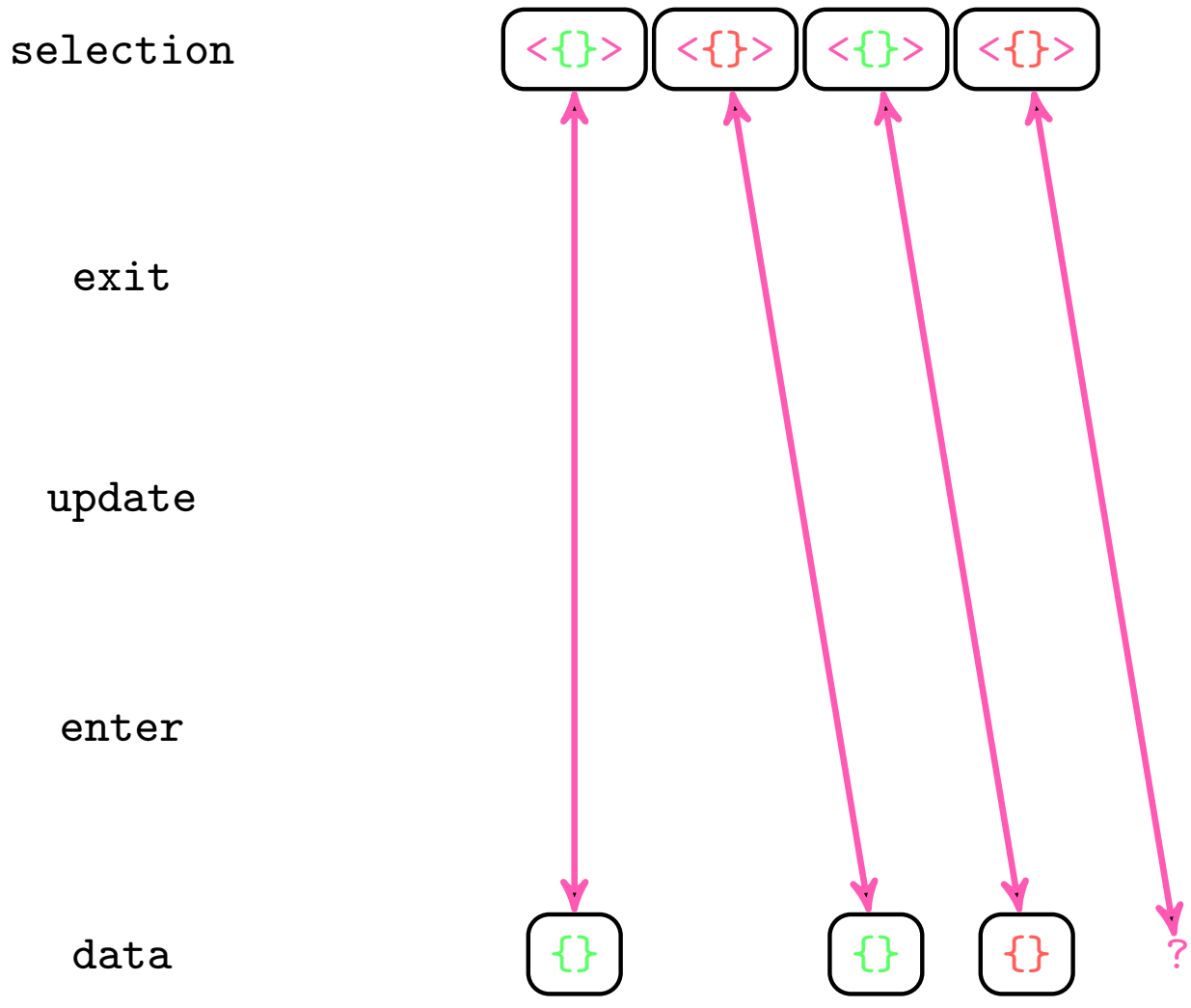
Data Join: caso raro



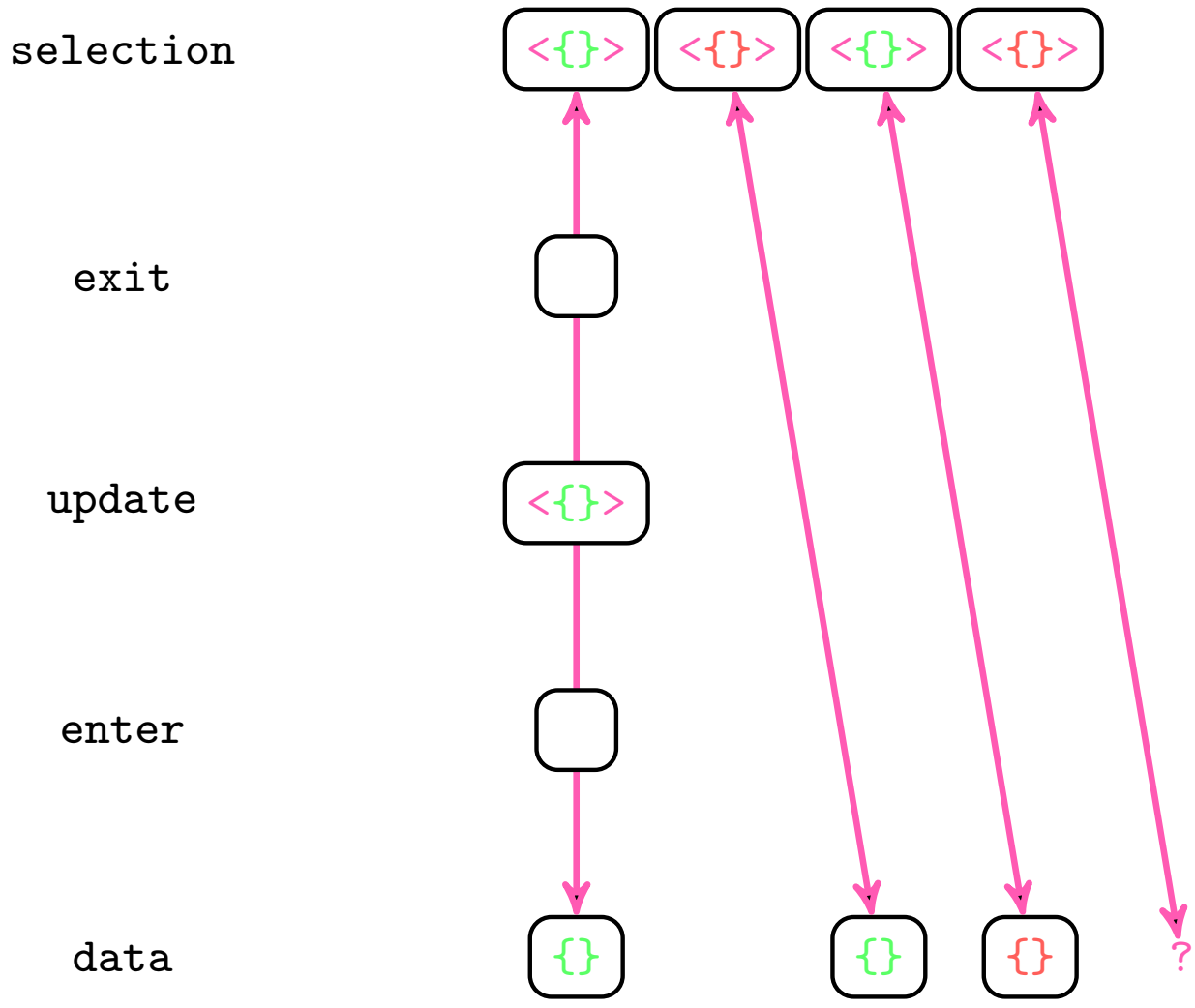
Data Join: caso raro



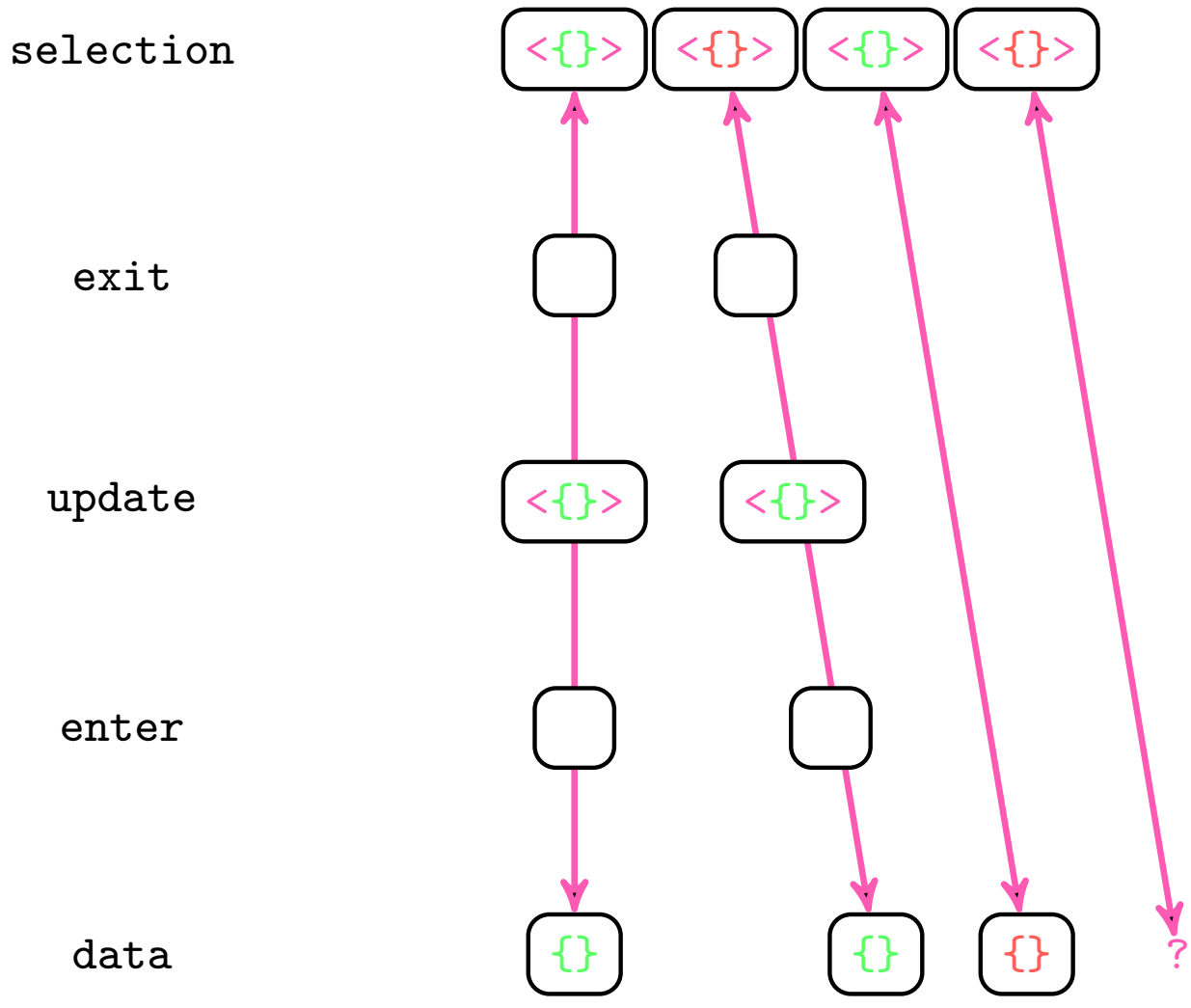
Data Join: caso raro



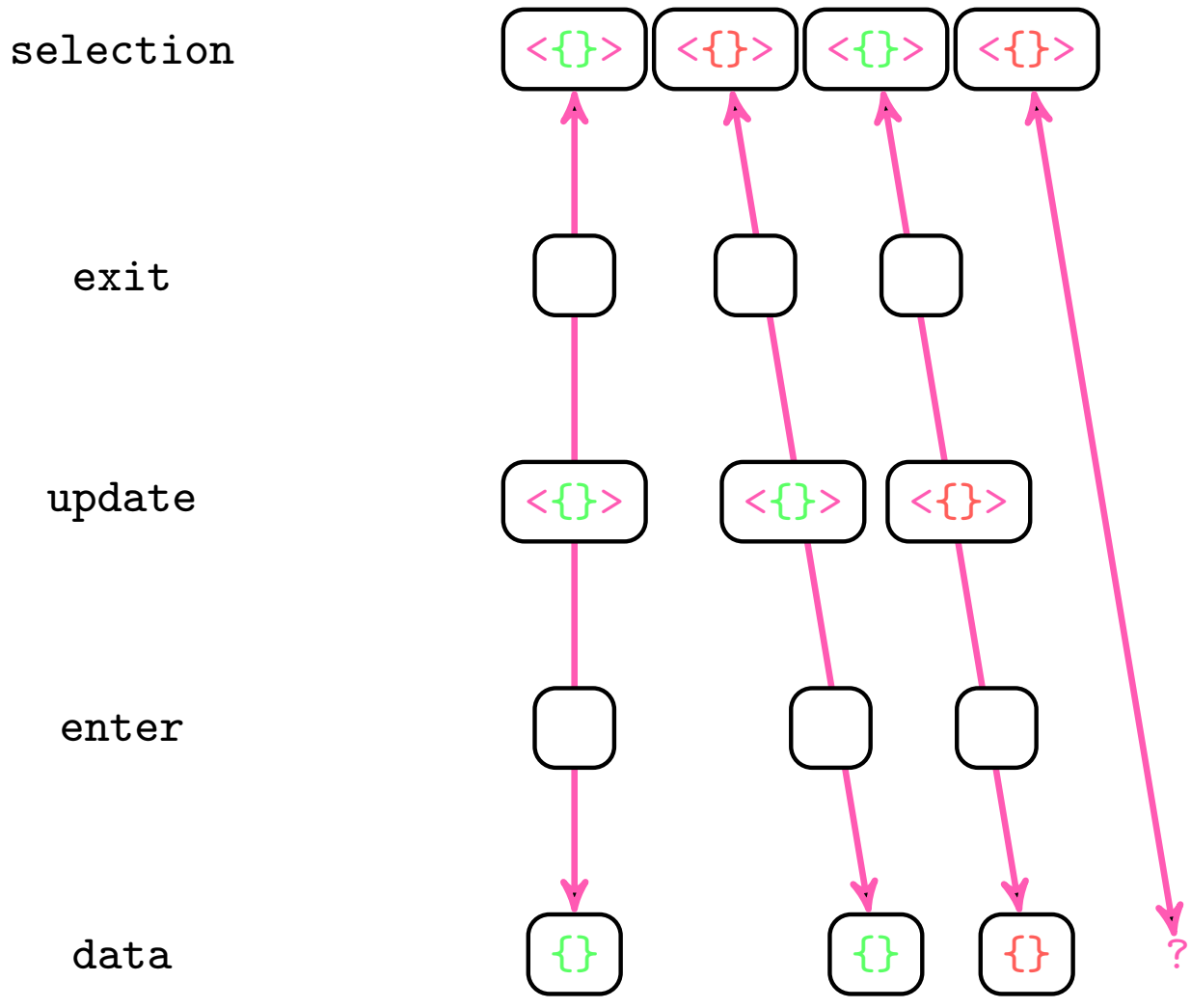
Data Join: caso raro



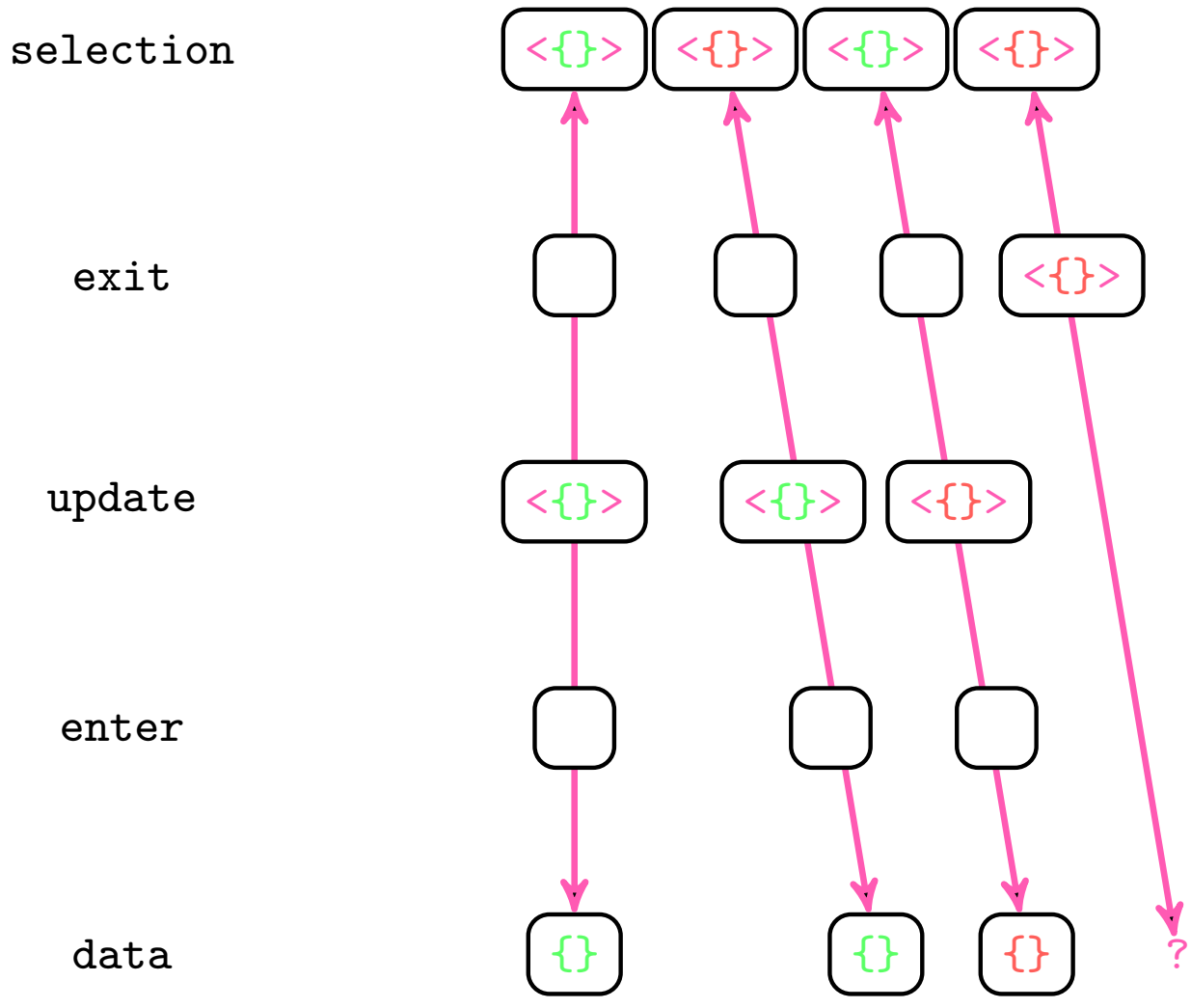
Data Join: caso raro



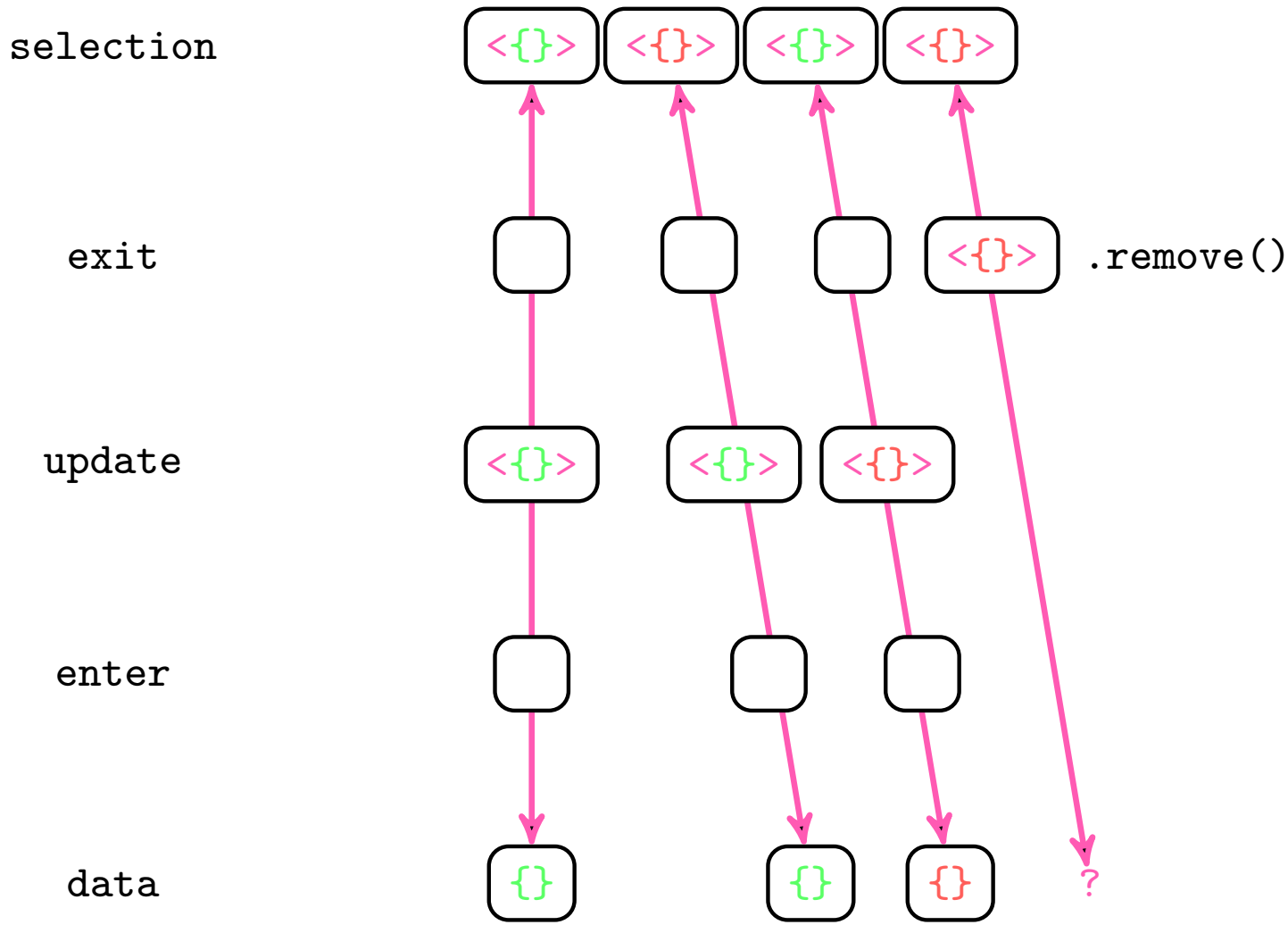
Data Join: caso raro



Data Join: caso raro



Data Join: caso raro



.data()

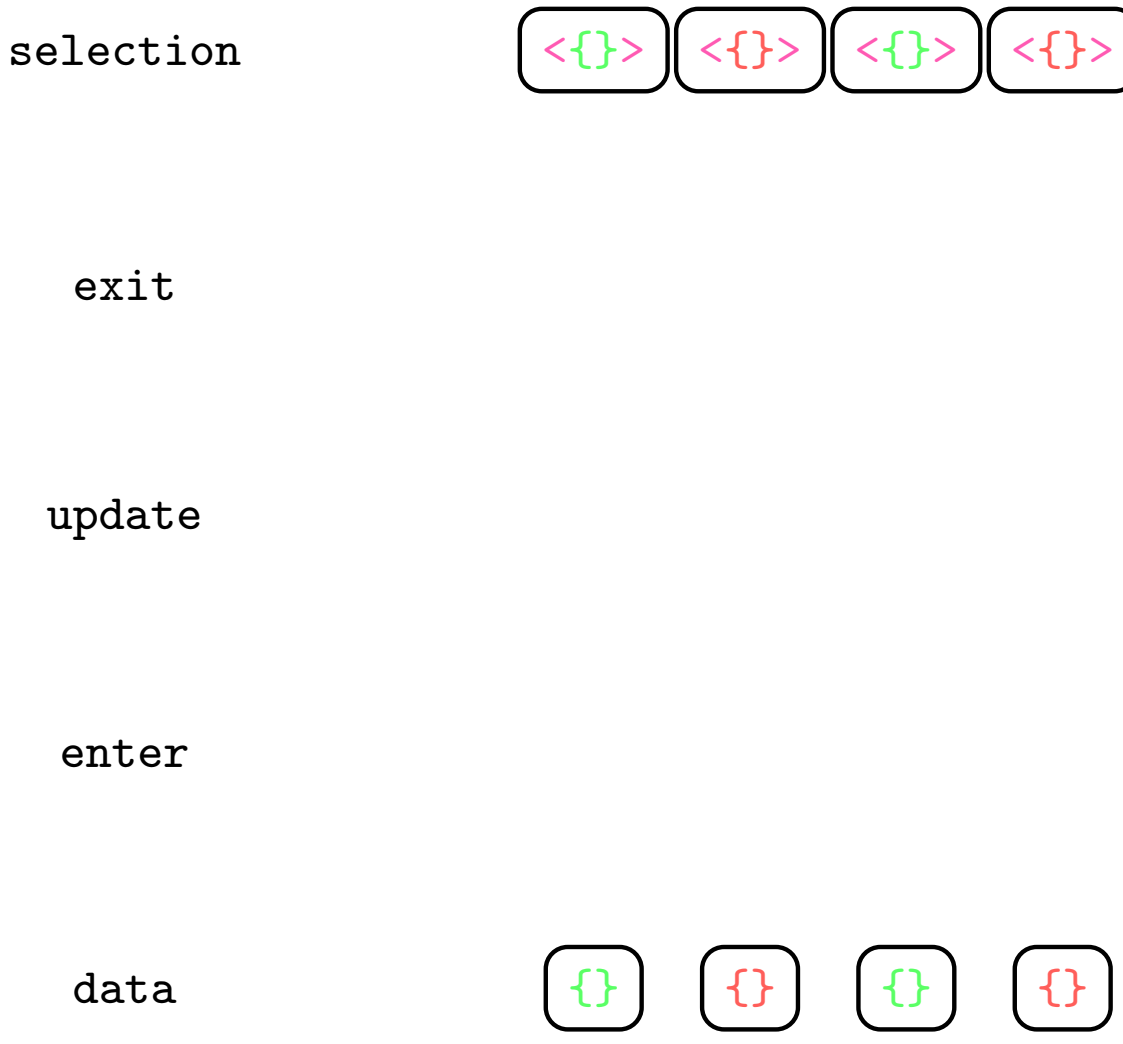
```
selection.data(data, key)
```

.data()

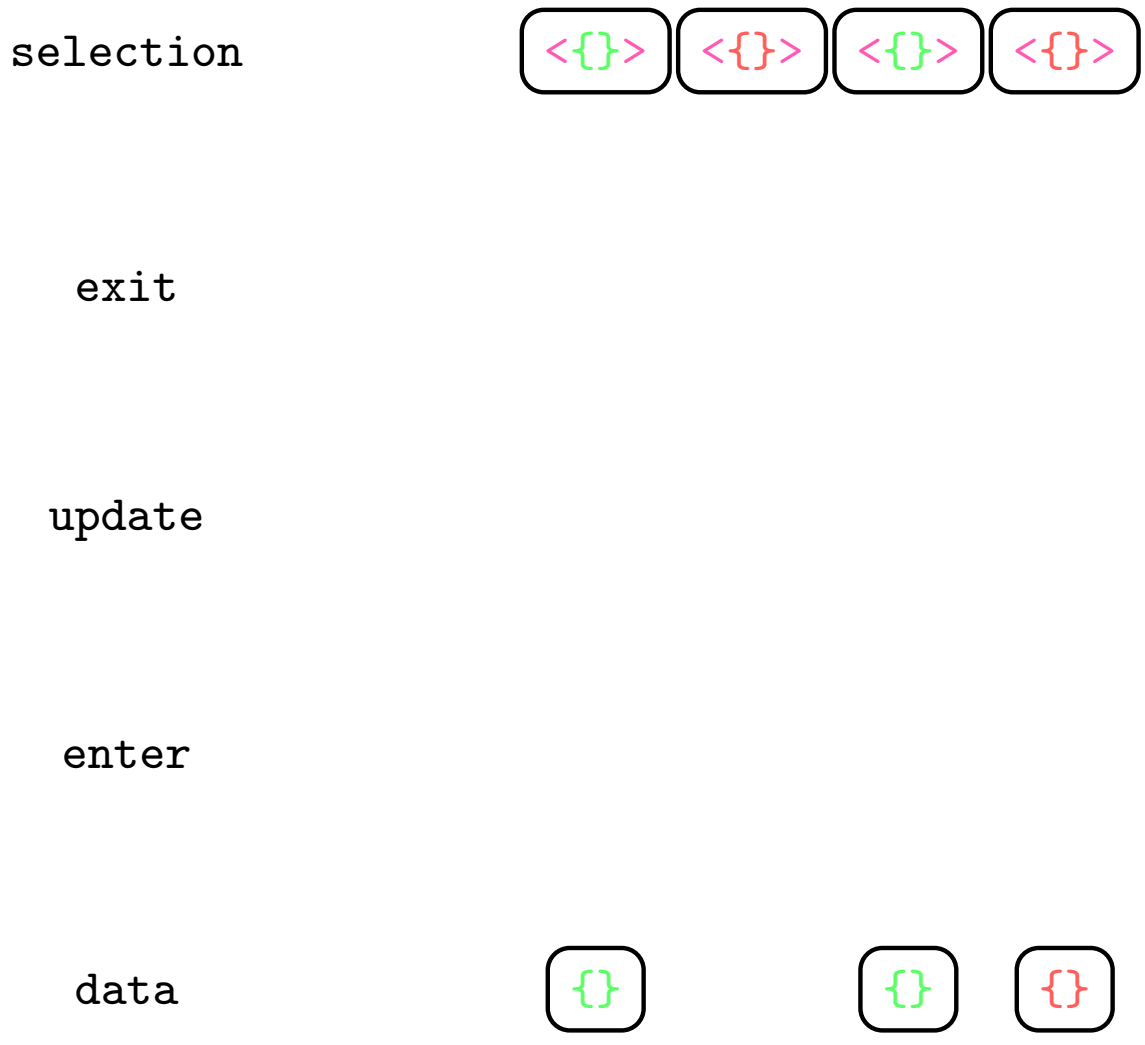
```
selection.data(data, key)
```

Recibe como segundo argumento una función `key` para identificar como emparejar elementos y datos.

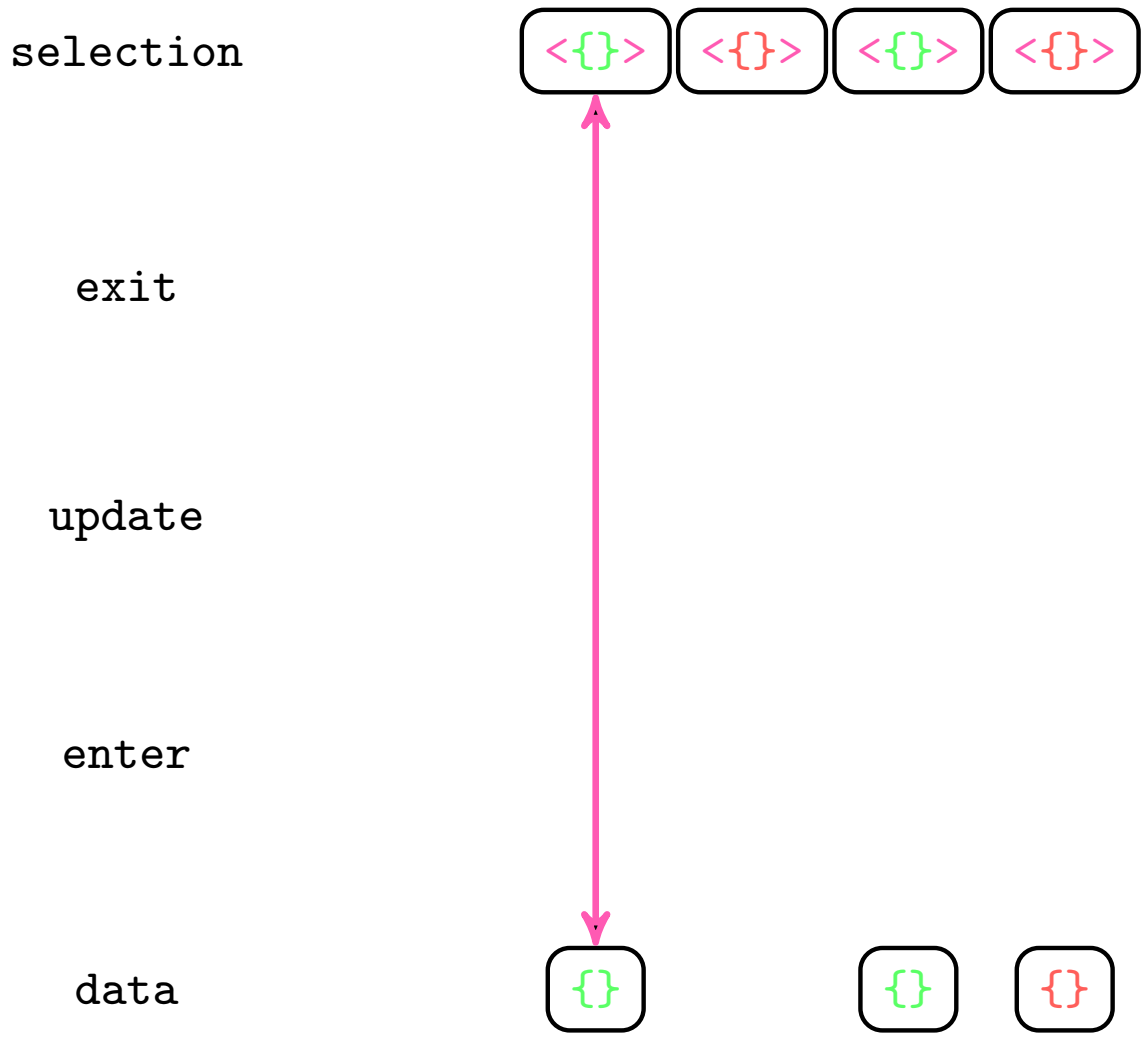
Data Join: caso con *key*



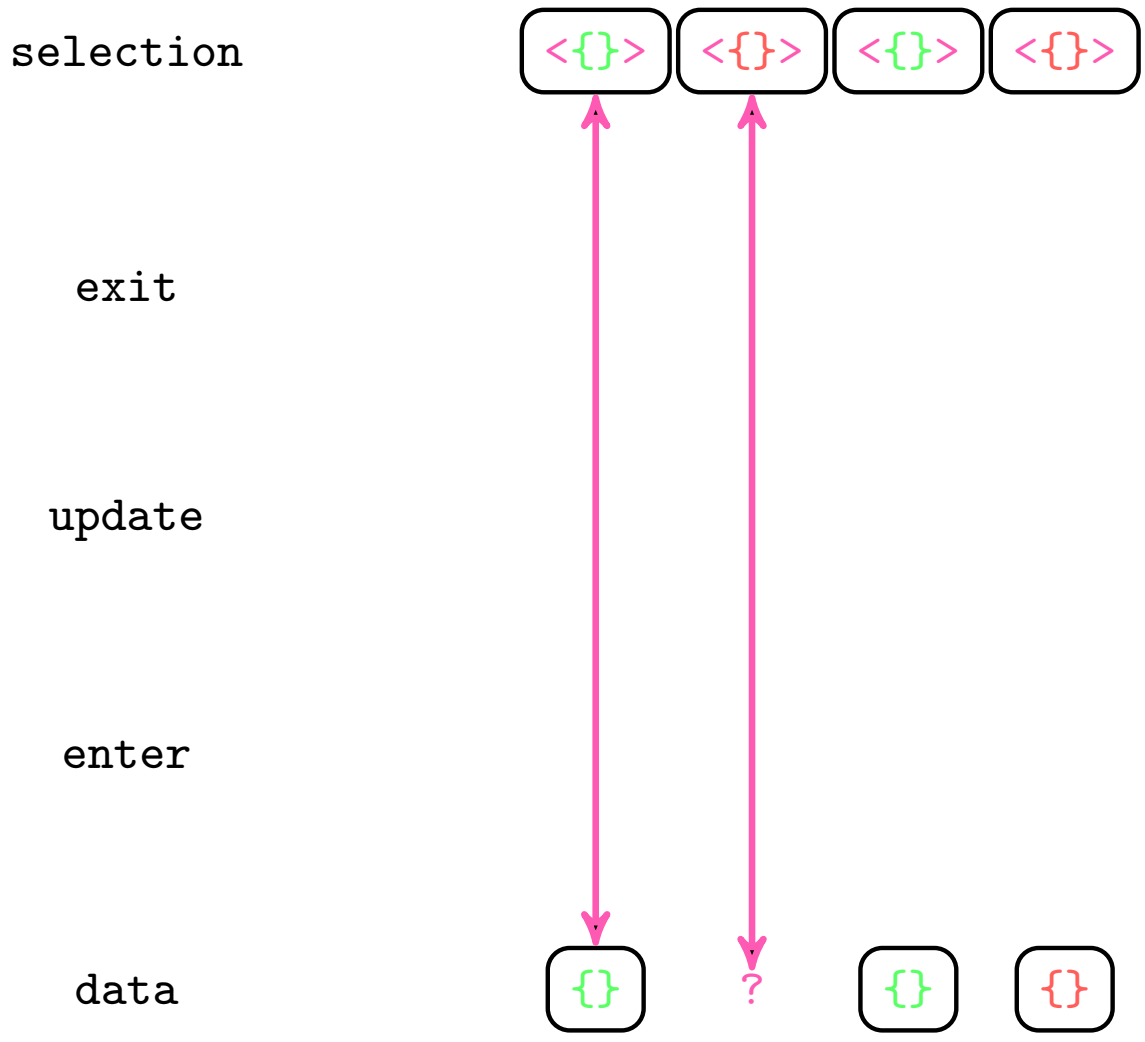
Data Join: caso con *key*



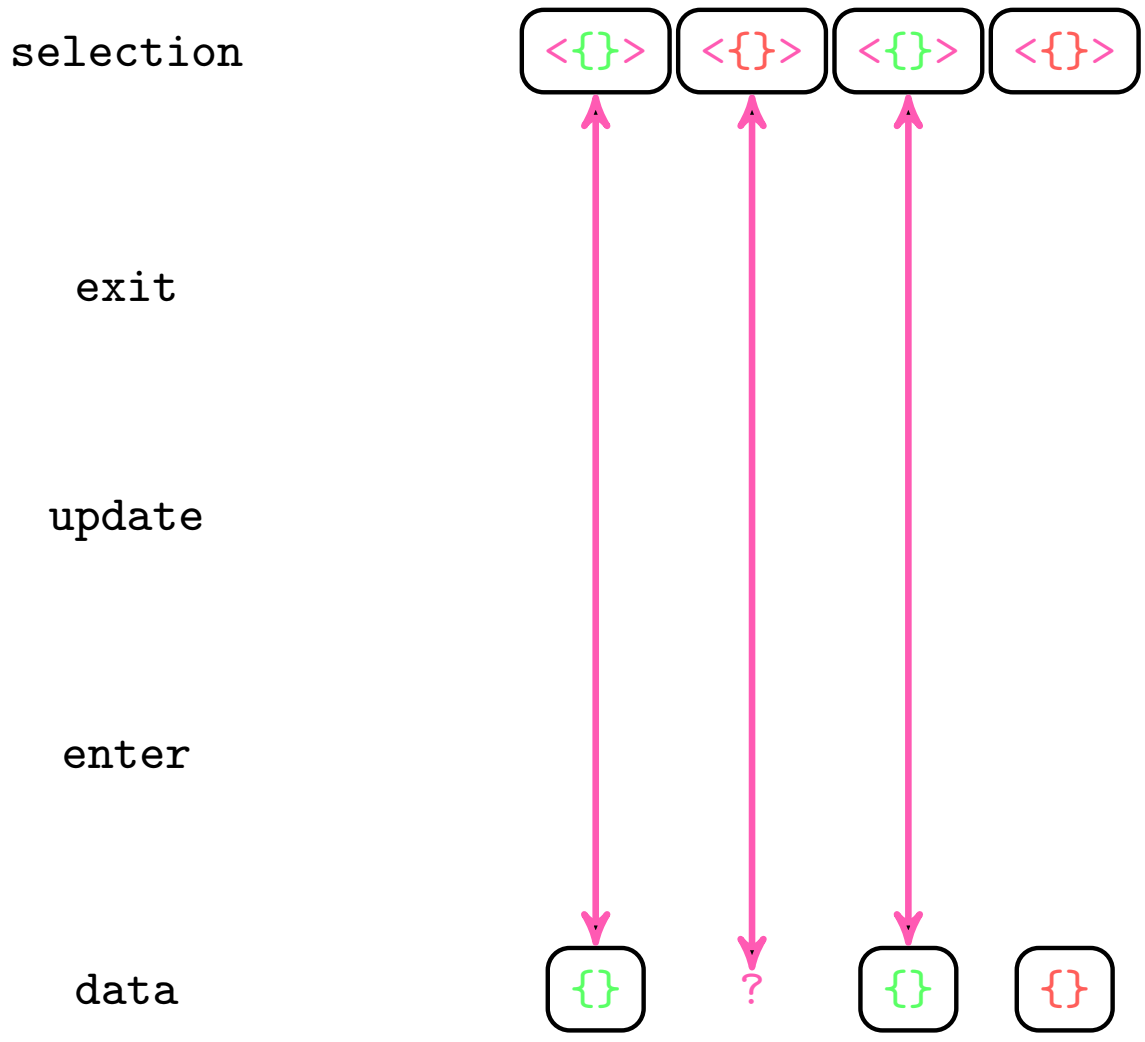
Data Join: caso con *key*



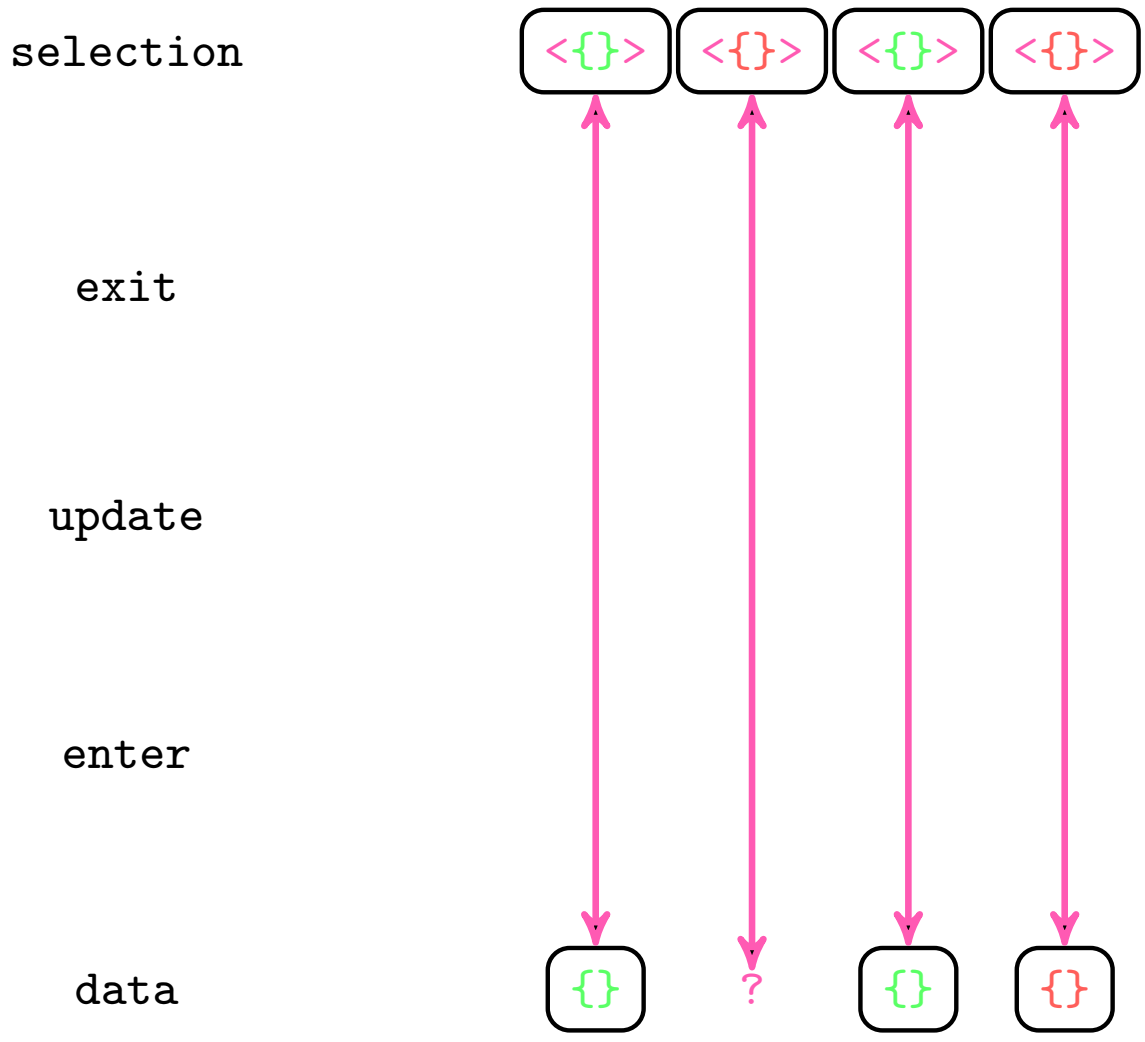
Data Join: caso con *key*



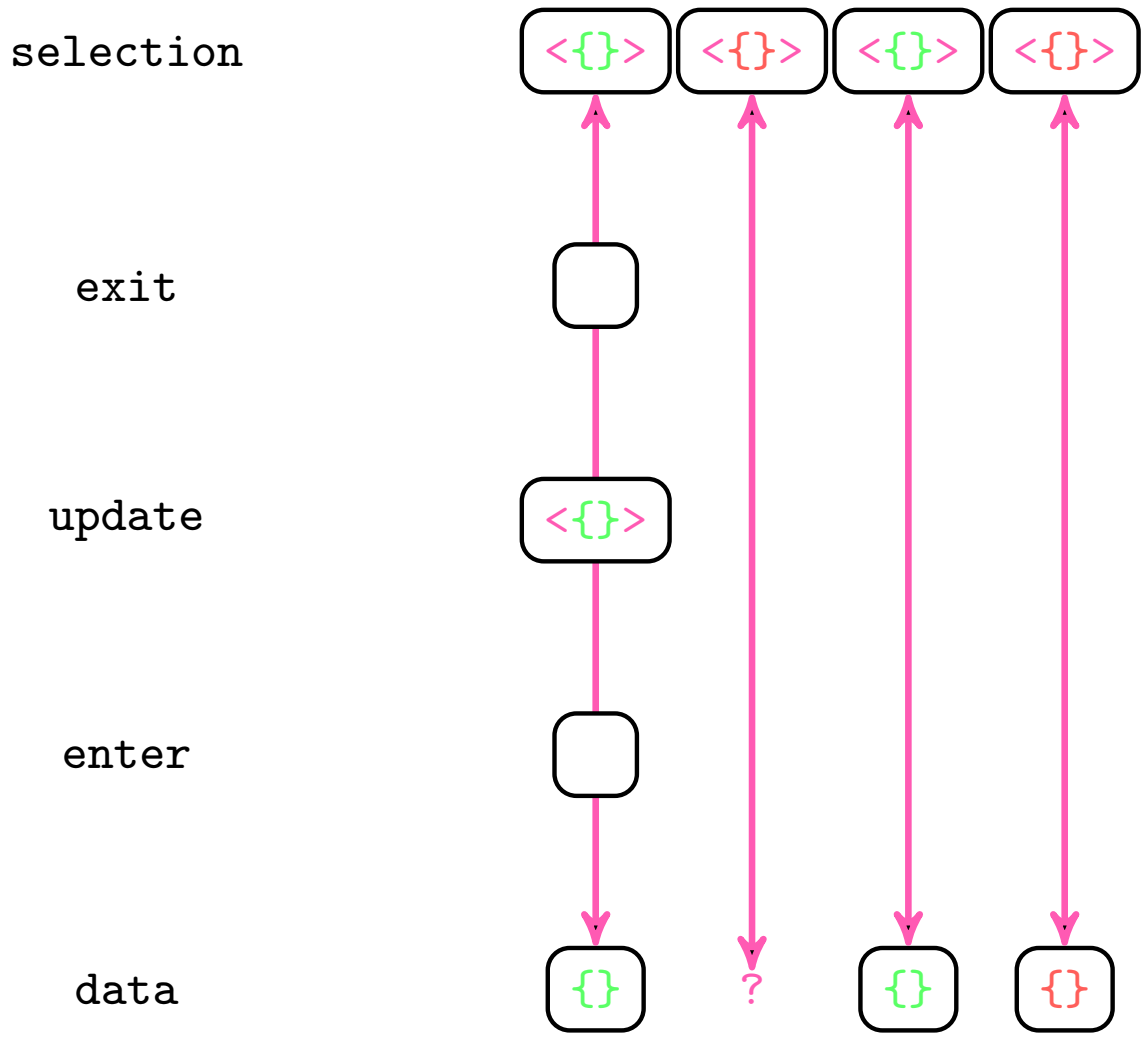
Data Join: caso con *key*



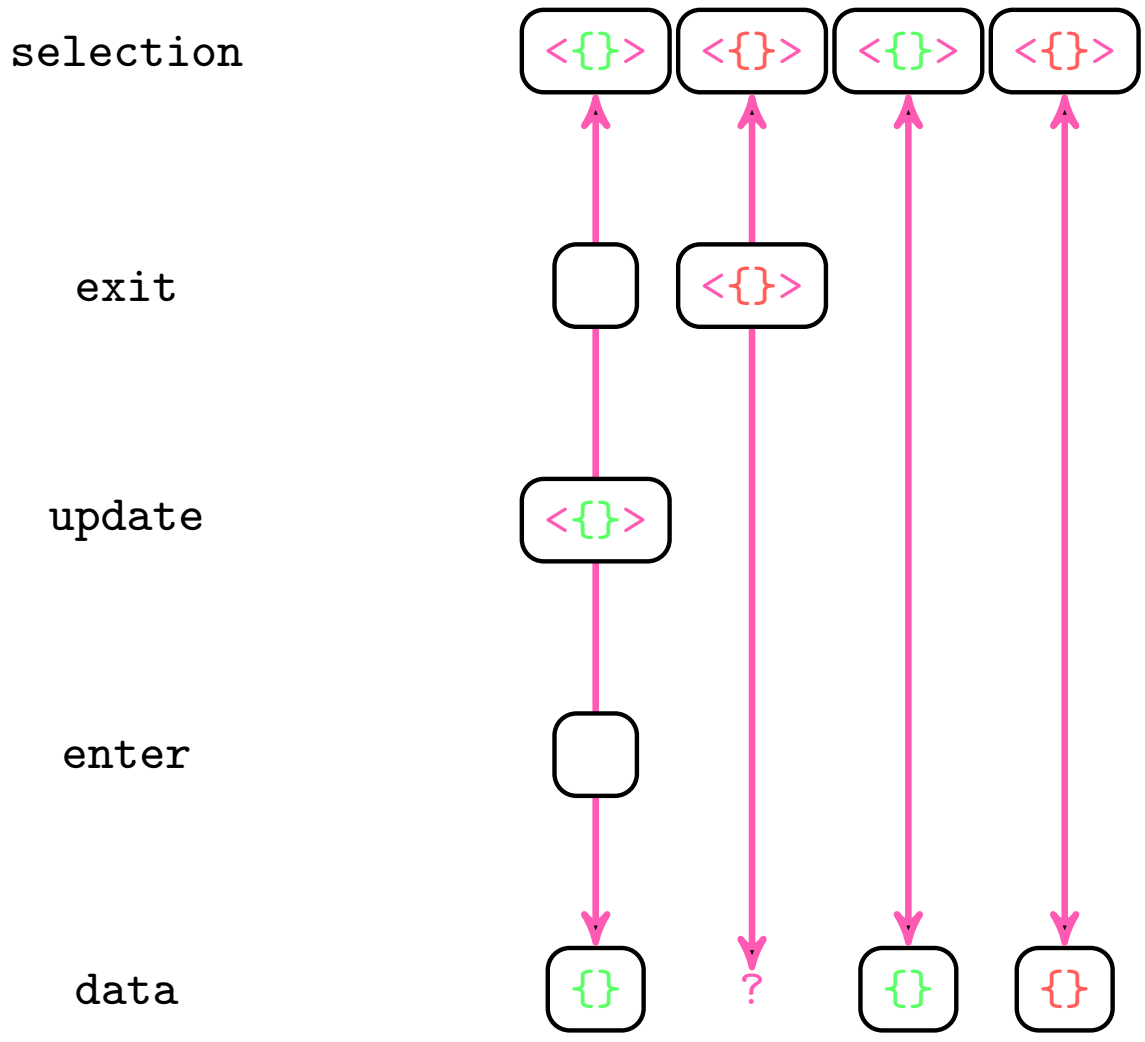
Data Join: caso con *key*



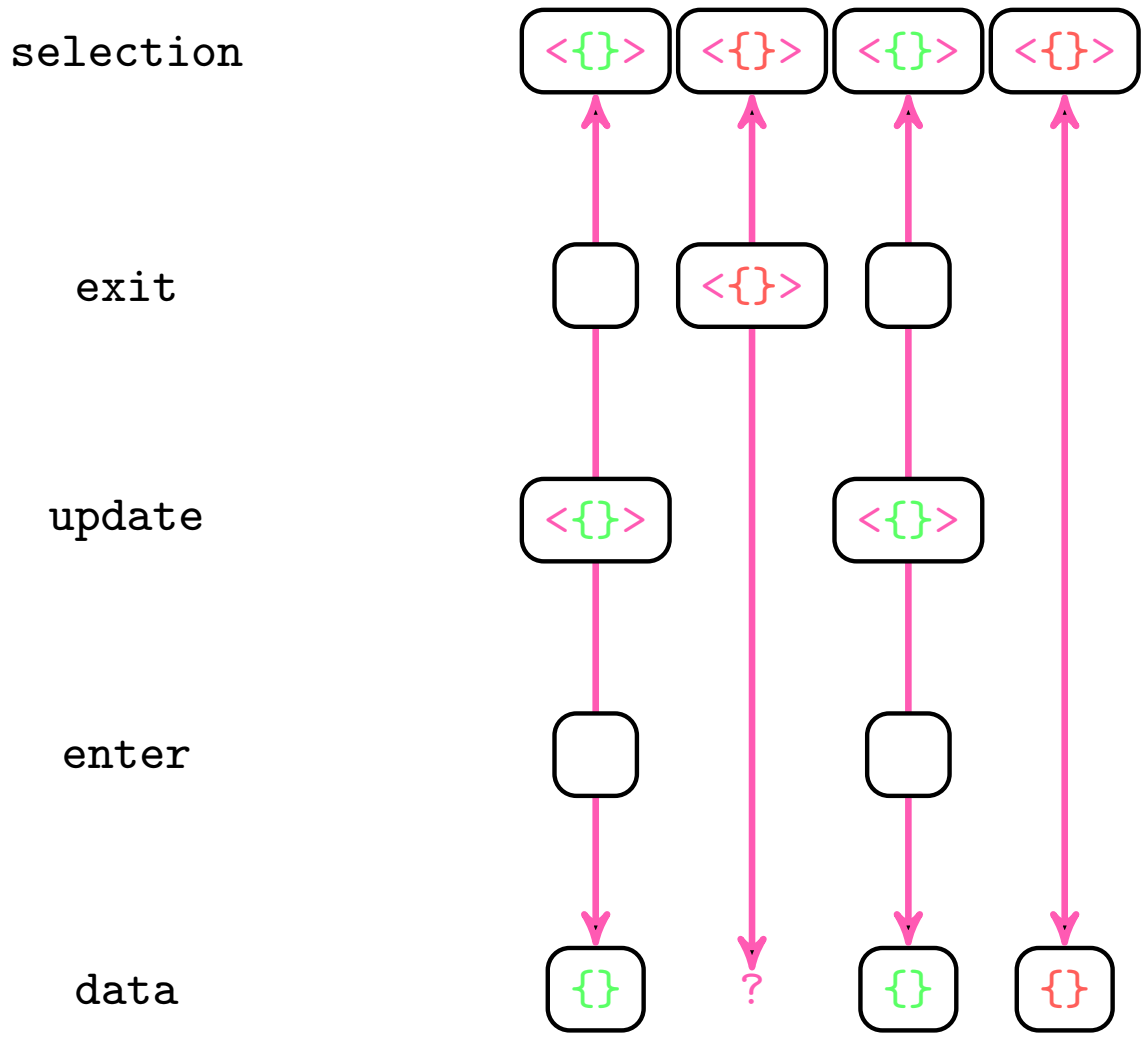
Data Join: caso con *key*



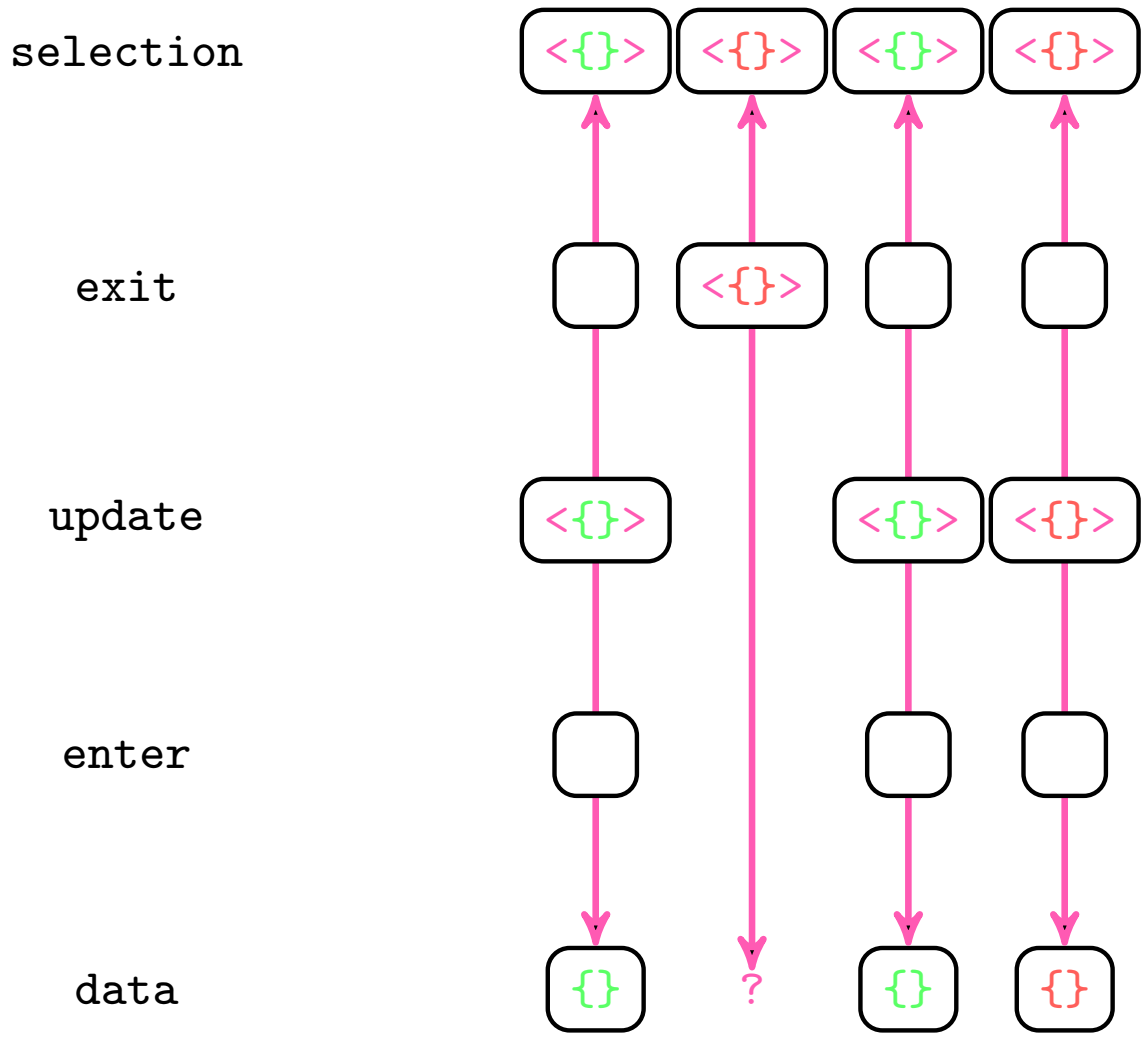
Data Join: caso con *key*



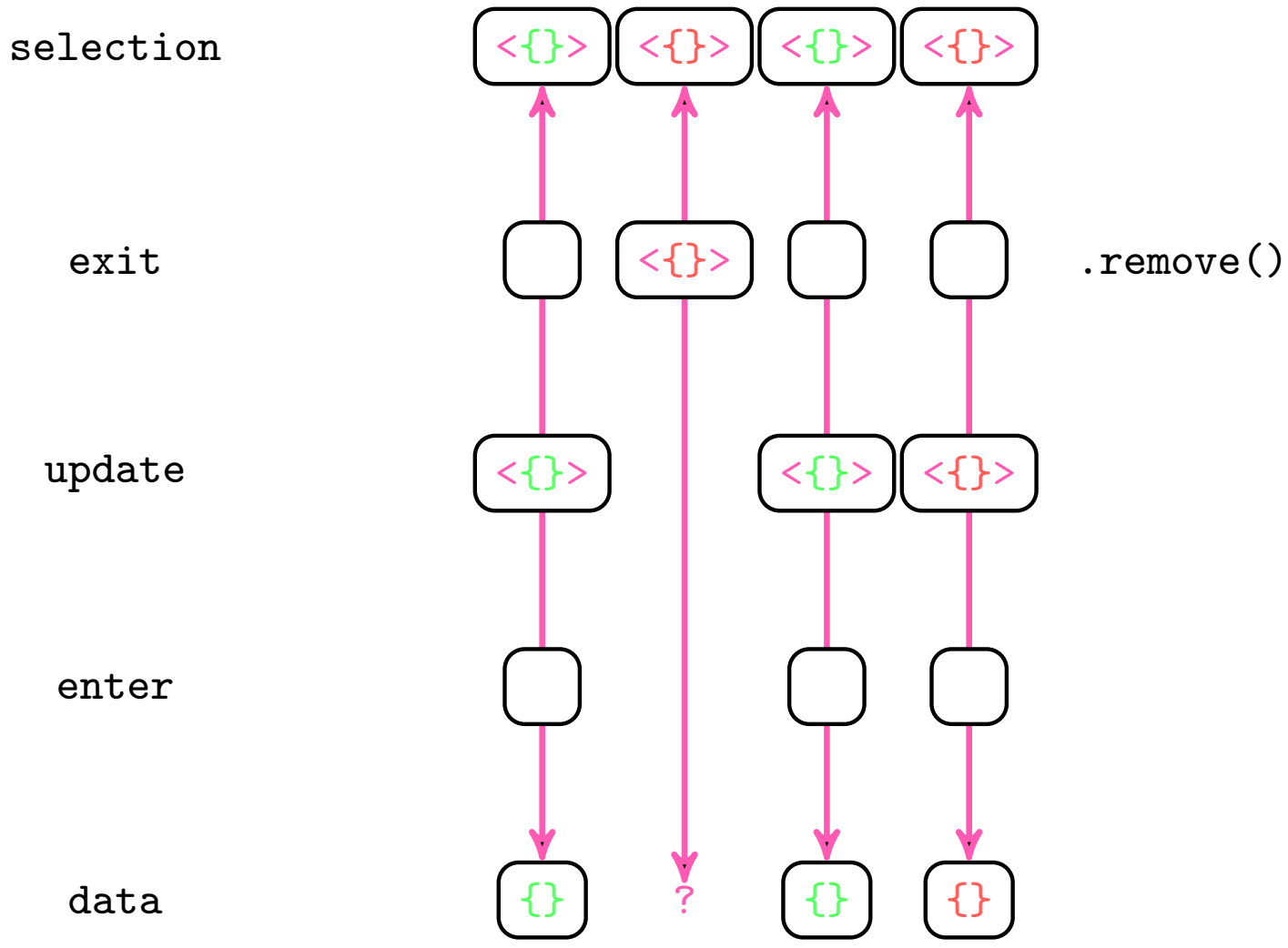
Data Join: caso con *key*



Data Join: caso con *key*



Data Join: caso con *key*



Referencias de D3

- **Thinking with Joins**, artículo sobre el *data join* por **Mike Bostock**

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- **Página oficial de D3**

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- **syllabus InfoVis 2017**

¡Muchas gracias!

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¿Alguna pregunta?

Agradecimientos

- Código base de presentación, por **Cristian Riveros**.