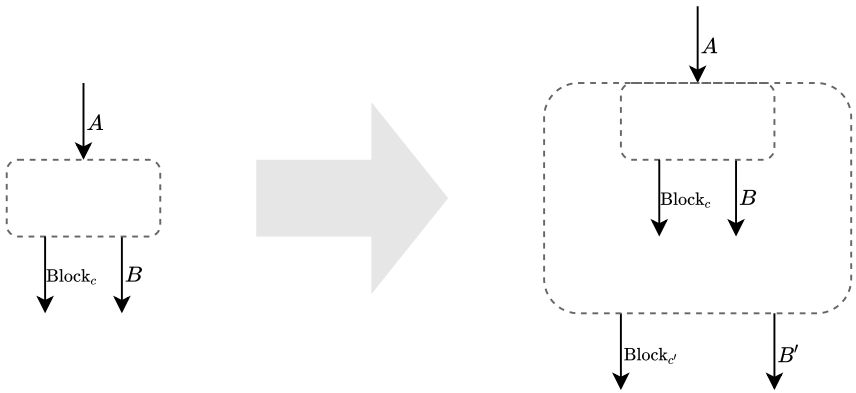
Queries

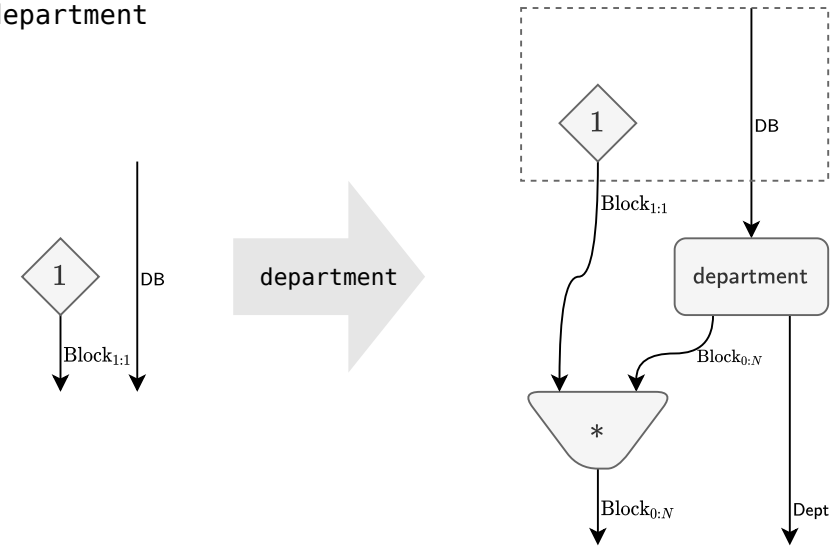


Queries extrend monadic transformations.

Queries: Example

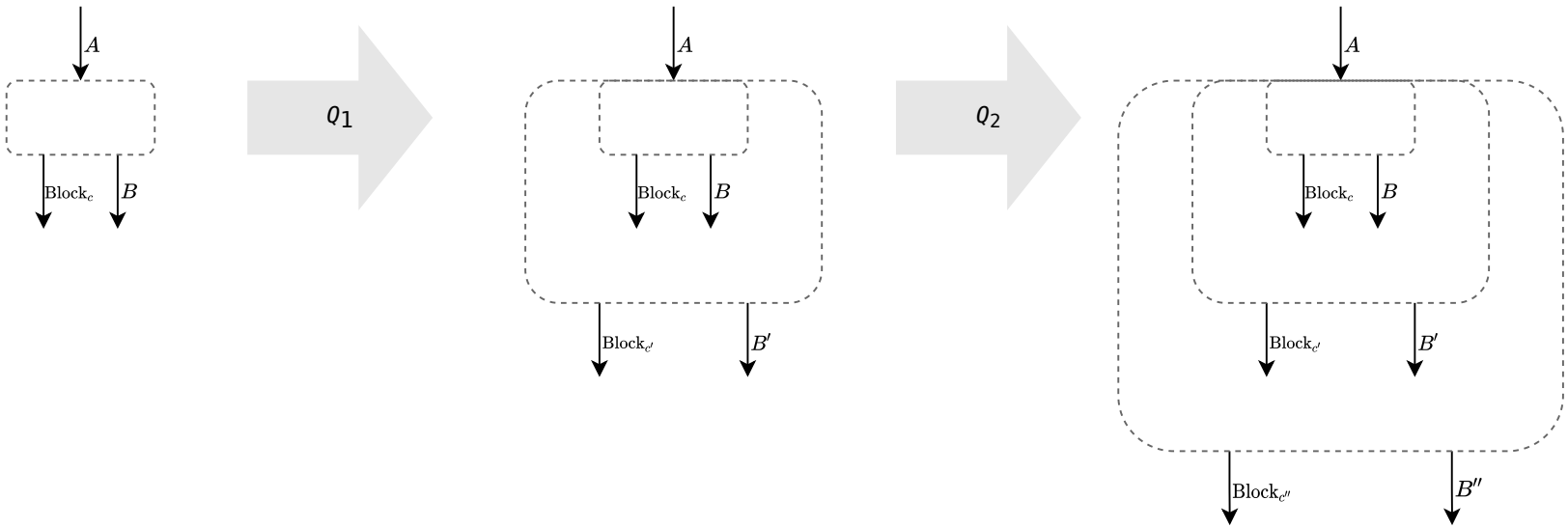
List all departments.

```
department
```



Query Composition

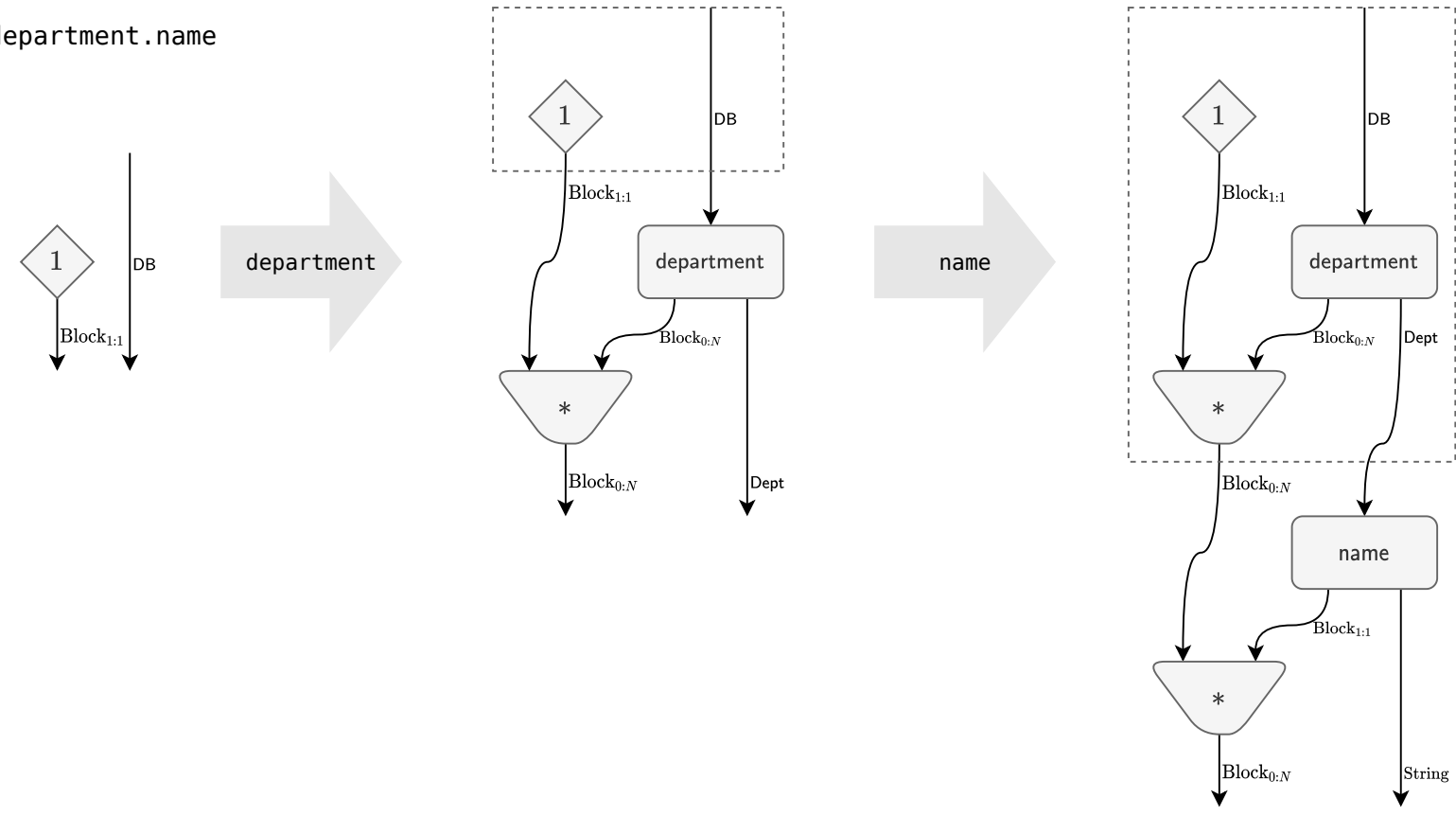
$Q_1 . Q_2$



Query Composition: Example

List the names of all departments.

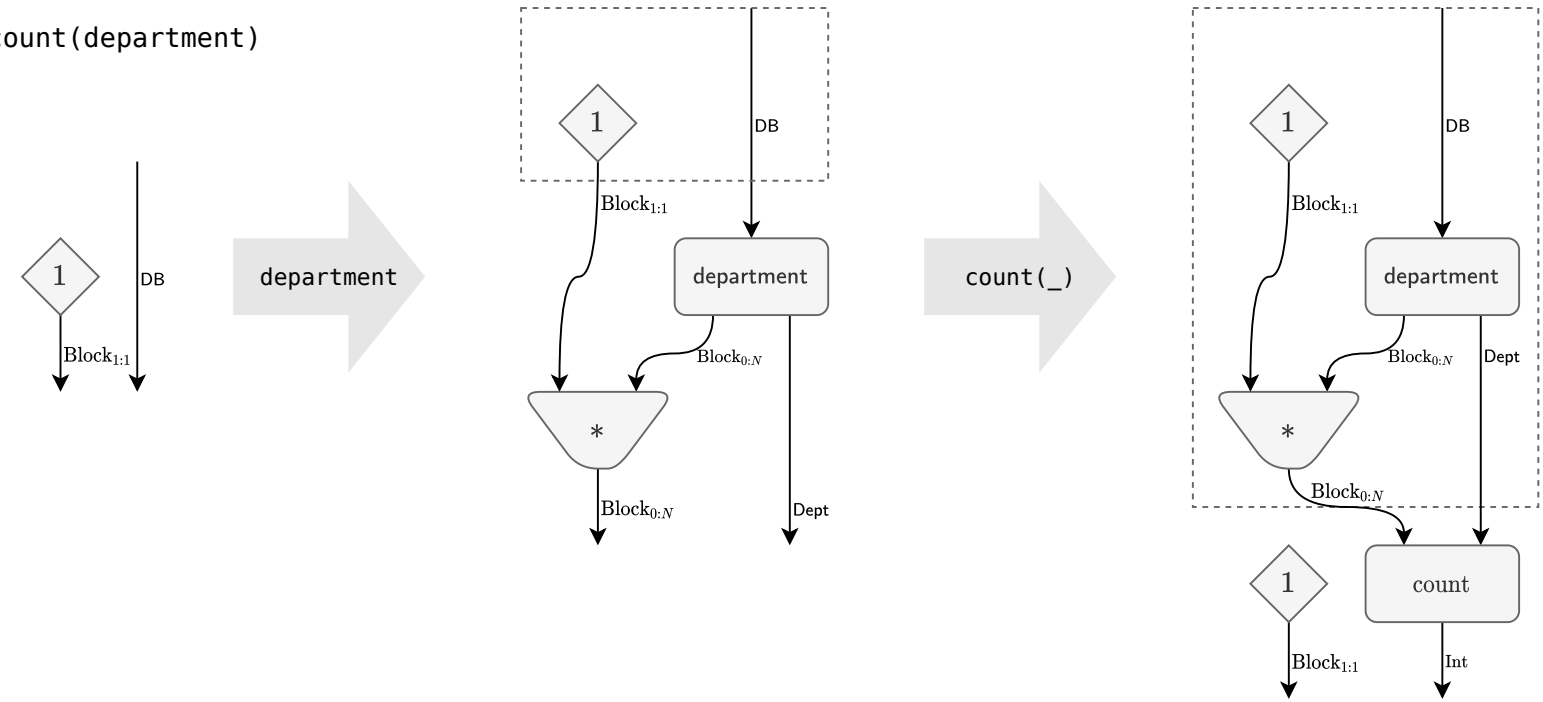
`department.name`



Counting Example

Show the number of departments.

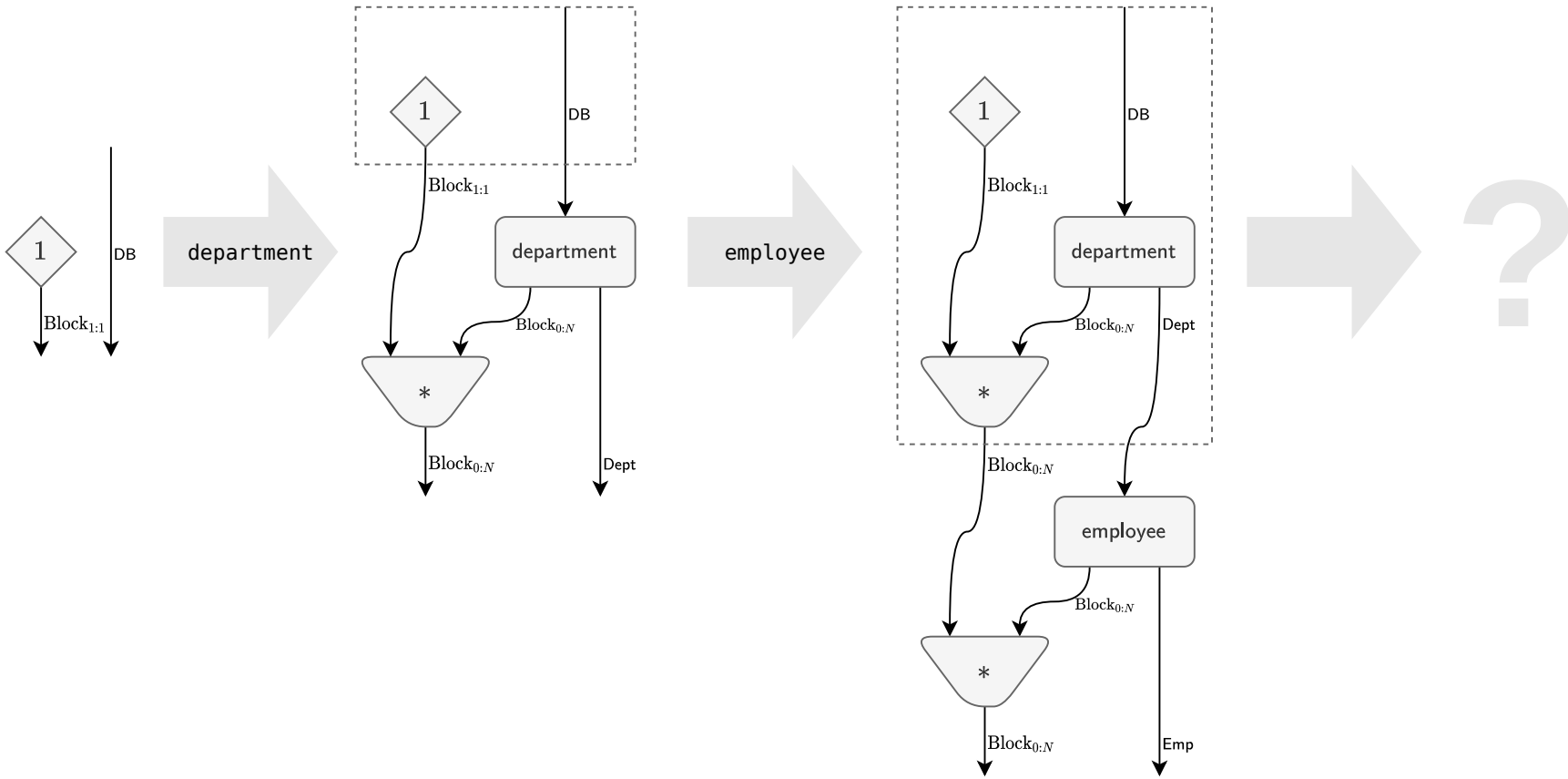
`count(department)`



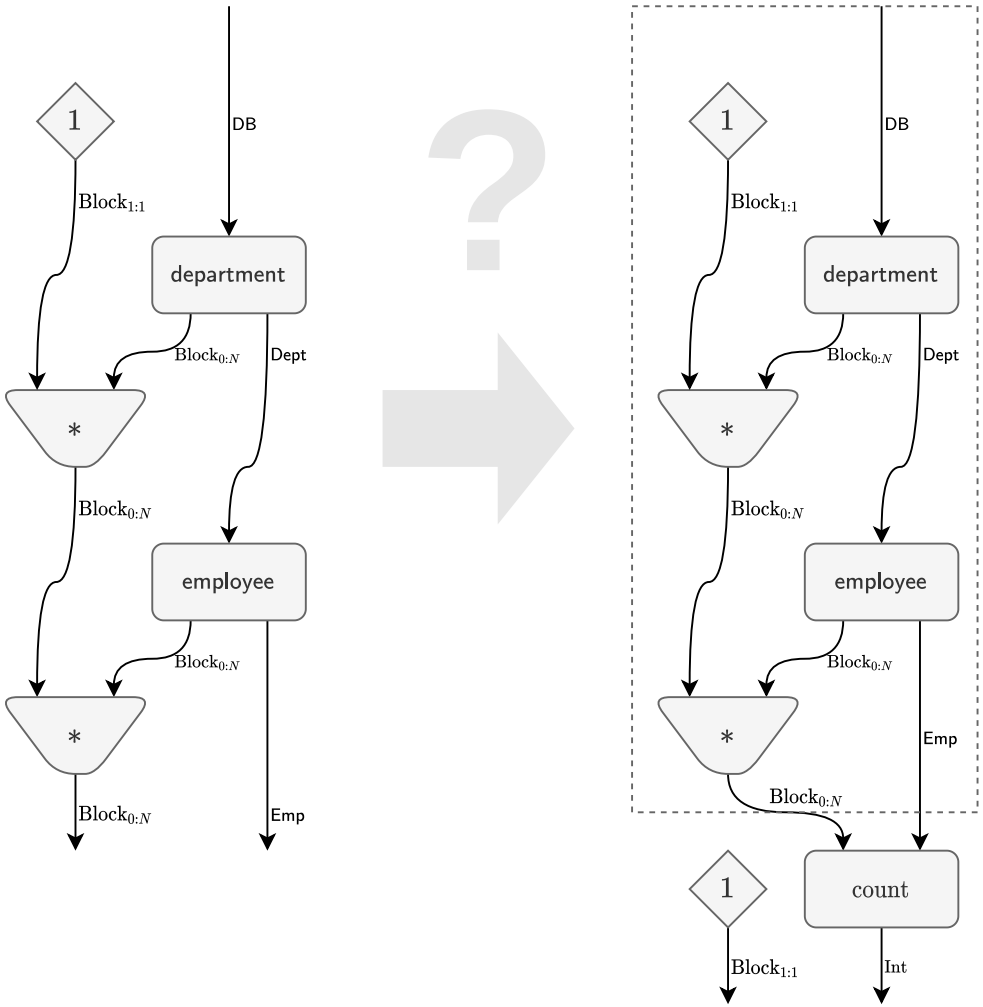
Counting Challenge 1

Show the number of employees in each department.

```
department.count(employee)
```



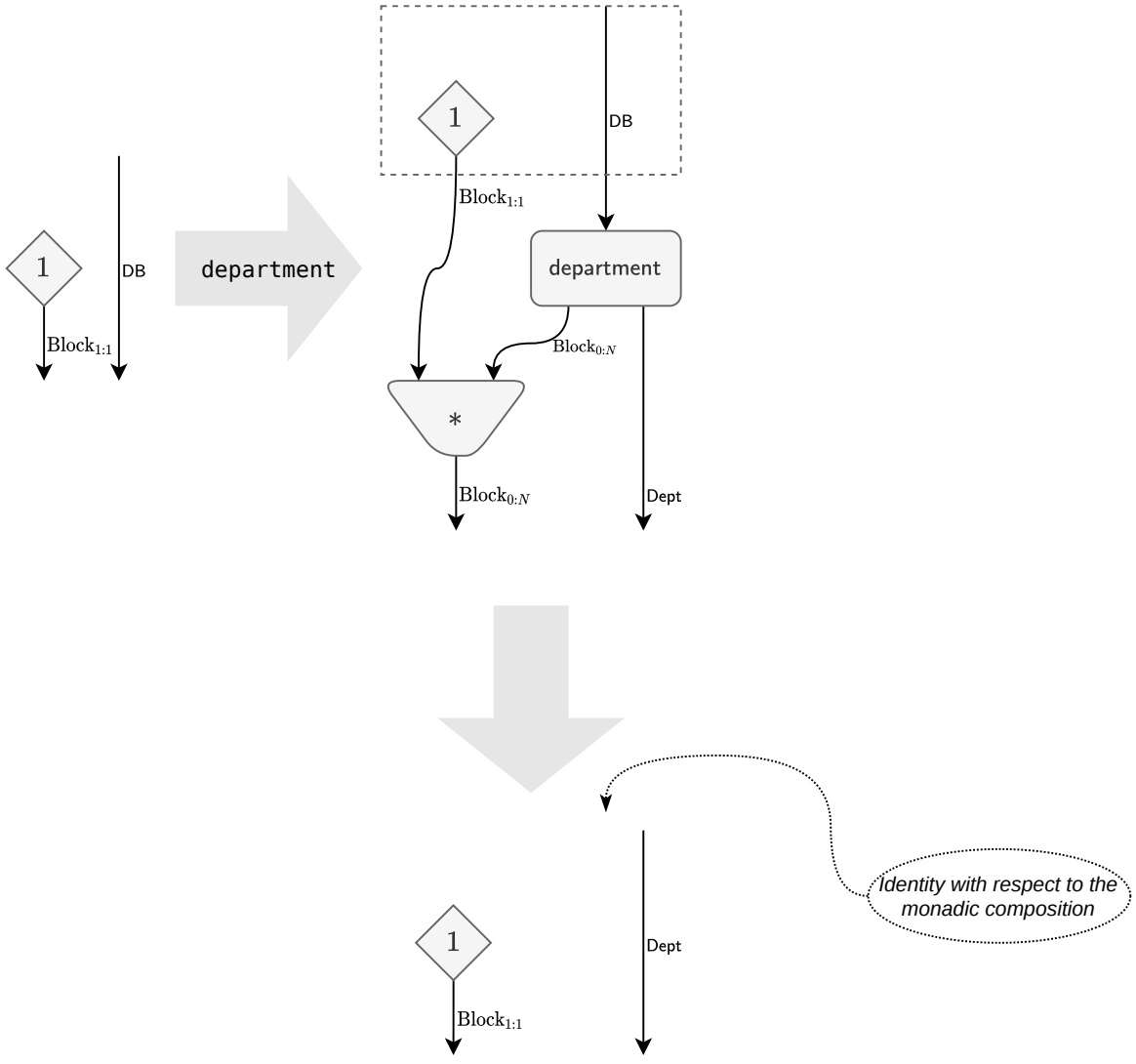
Counting Challenge 2



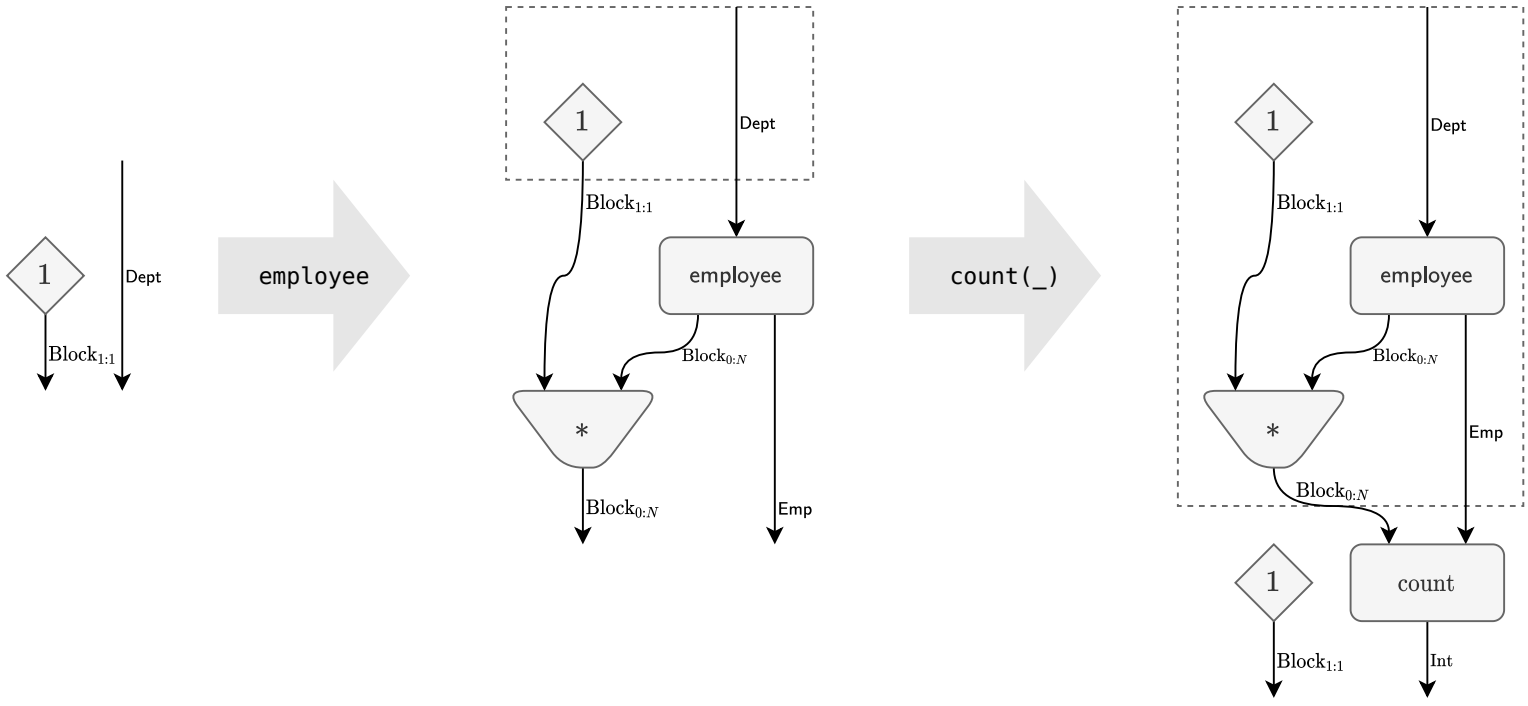
Show the total number of employees across all departments.

```
count(department.employee)
```

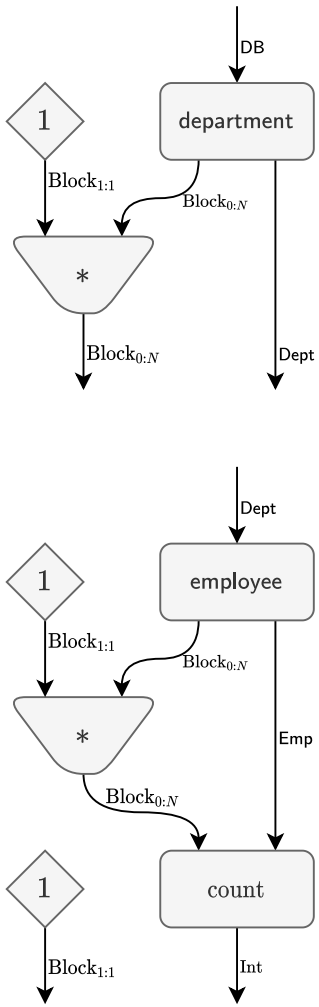
Counting Challenge 3

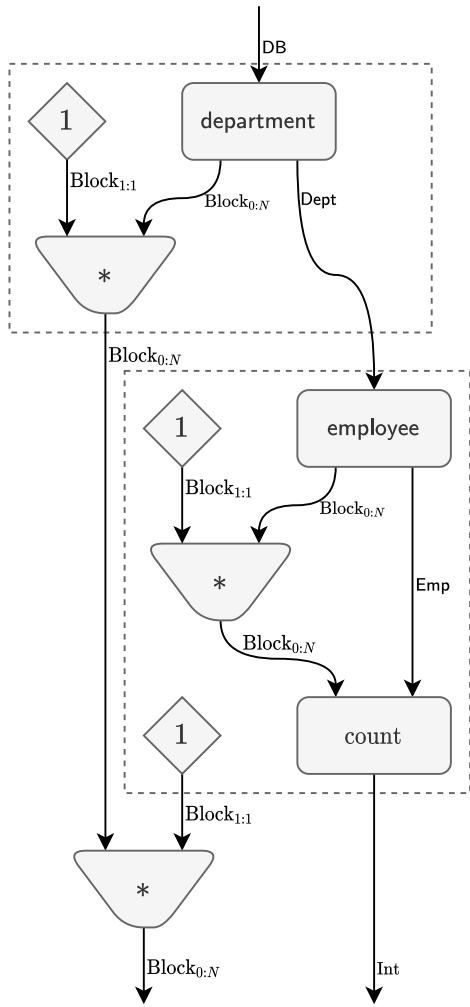


Counting Challenge 4



Counting Challenge 5





Show the number of employees in each department.

```
department.count(employee)
```