

LLVM Query Runtime

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Progress

- Integrating our Java code with C code
- Write the scan operator

Design - Push Model

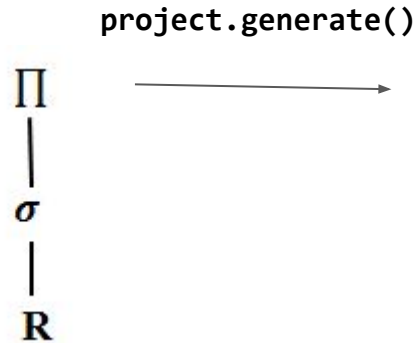
- No function call
- A for loop that takes care of everything

$$\begin{array}{c} \Pi \\ | \\ \sigma \\ | \\ R \end{array}$$

```
foreach tuple in R
{
    //selection
    {
        //projection
        {
        }
    }
}
}
```

Design - Example

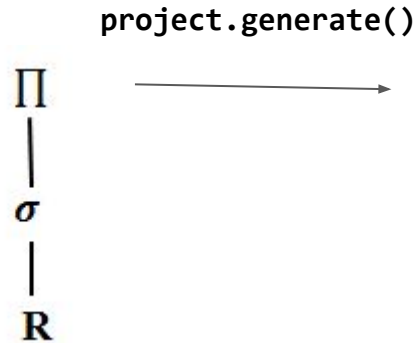
- Each operator will generate the code of its execution in a block {}



```
{  
  //selection.generate()  
  {  
    //scan.generate()  
    {  
      foreach tuple in R  
    }  
  }  
}
```

Design - Example

- Each operator will generate the code of its execution in a block {}

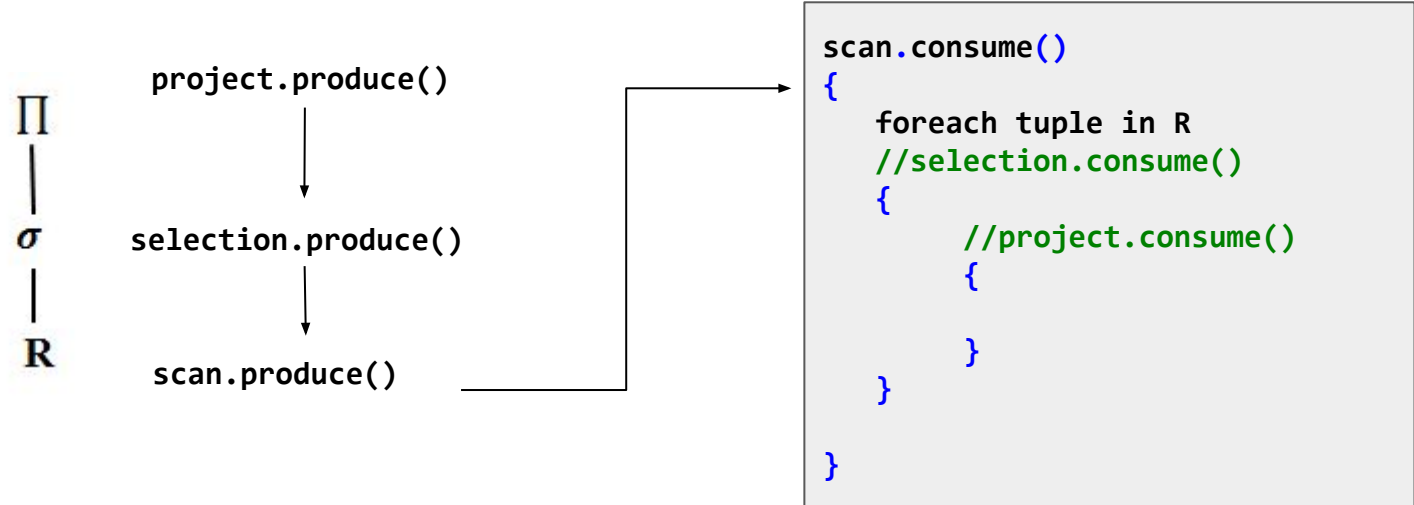


```
{  
  //selection.generate()  
  {  
    //scan.generate()  
    {  
      foreach tuple in R  
    }  
  }  
}
```



Design - Example

- Each operator will generate the code of its execution in a block {}



It's time for Halloween, I mean C++



HAPPY HALLOWEEN