• Use pyre component cores in python command line
• Pyre components in data-stream-model
• InventoryObserver
Use pyre component in python command line?
Motivation

• Advanced users of reduction ask for direct access to functionalities of pyre components in python command line
Prototype solution

• Deal with component core directly without using pyre components
• Not a full solution. Rather, it is focused on the immediate need of commissioning of ARCS
• The solution is well-separated from reduction codes and should be useful to other similar problems.
Front end of computation engines

FrontEnd

+ select

+ public interface of engines

Engine1

Engine2

Engine3
Demo
Pyre components in data stream model
Motivation
Prototype Solution

```
from Connectable import Connectable
class ApplyMask(Connectable):
    sockets = {
        'in': ['mask', 'Idpt'],
        'out': ['Idpt'],
    }
...
```
Prototype Solution (continued)

connections = [
  "Adder: result->operand1: multiplier",
  ..........,
]

Core
  Adder
  Core
  Multiplier
  Core
Observer of Inventory
Motivation
Demo of reduction pyre gui