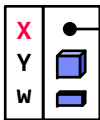


Federated Coordinator

SystemDS
Control Program

```
while  
  r=X*w  
  w=rt*X
```



Spark Driver

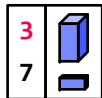
Federated
Data

Matrix, FP64
100K x 70

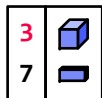
[1:40K,], 3,
node1:5000
[40K:80K,], 3,
node2:5000
[80K:100K,], 3,
node3:5005

Federated
Requests

SystemDS
Worker 1 CP

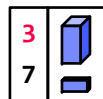


SystemDS
Worker 3 CP



Federated
Workers

SystemDS
Worker 2 CP



Read on
Demand