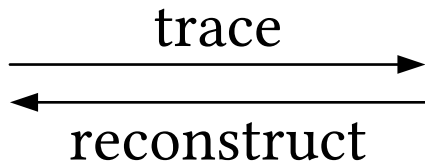
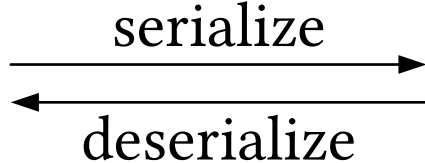
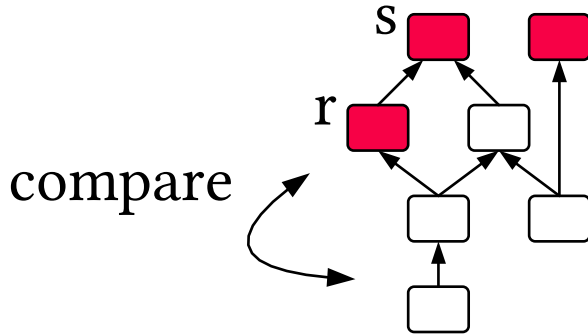


# Runtime Program

```
=  
while  
  r = A + B  
  s = B * r
```



# Lineage Graph $\mathcal{L}$



# Lineage Log

```
(1) C read A  
(2) C read B  
(3) I + (1, 2)  
(4) I * (2, 3)
```