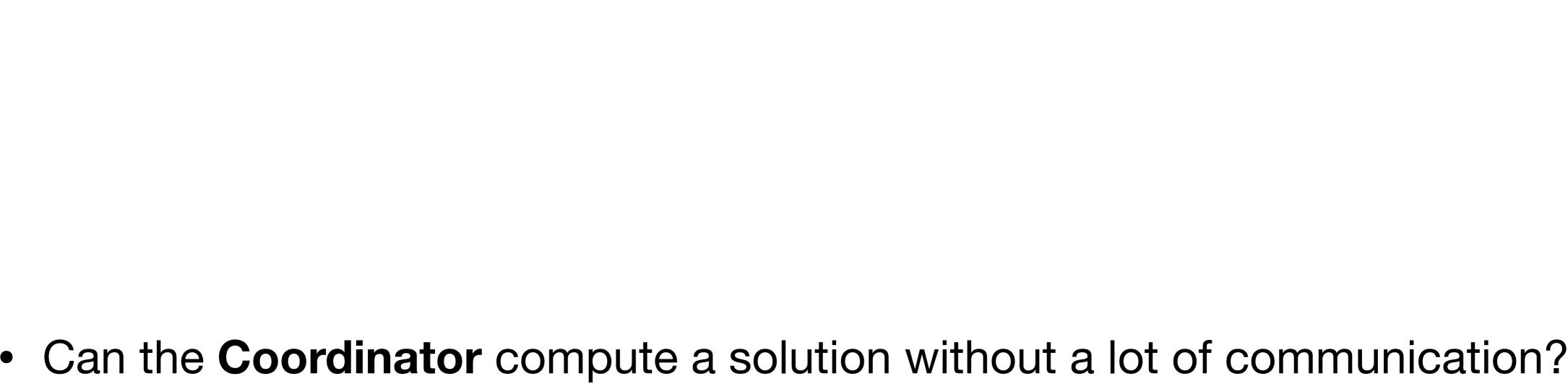
### Distributed Setting



### *A*(1)



Server 1

## *A*(2)



Server 2

## A(s)

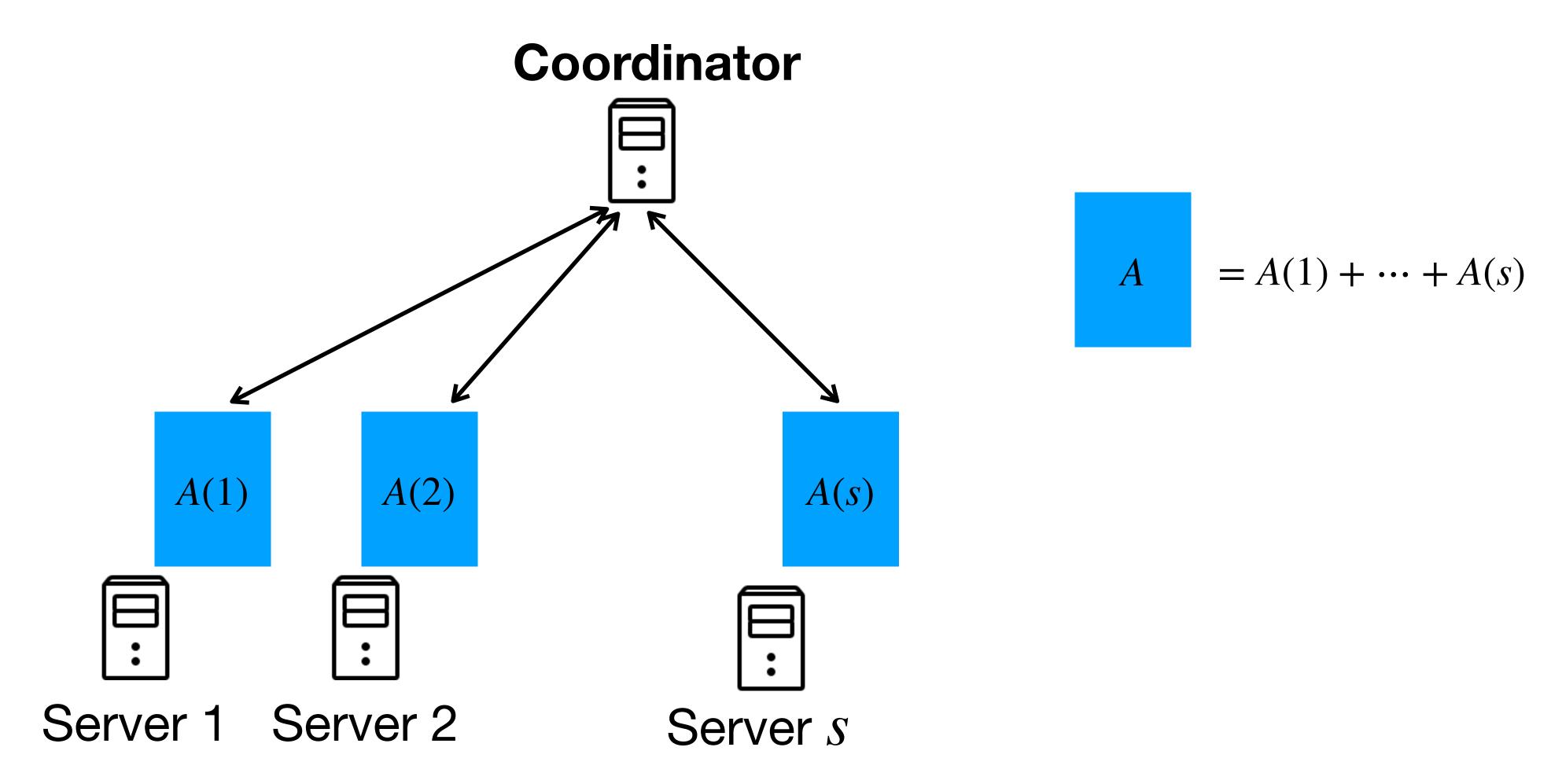


Server s

# Coordinator

## $= A(1) + \cdots + A(s)$

### Distributed Setting



• Can the Coordinator compute a solution without a lot of communication?

### Challenges

- Classical
  - Algorithms that are fast
- Streaming
  - Algorithms that work in memory-constrained settings
- Distributed
  - Algorithms that use low amount of communication