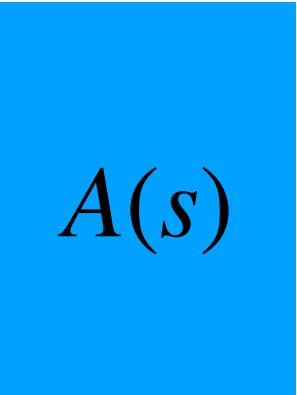
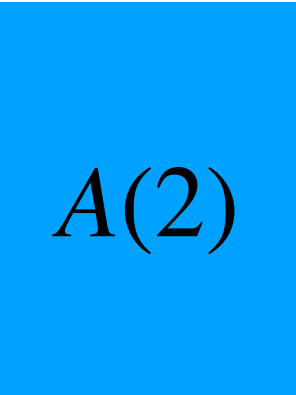
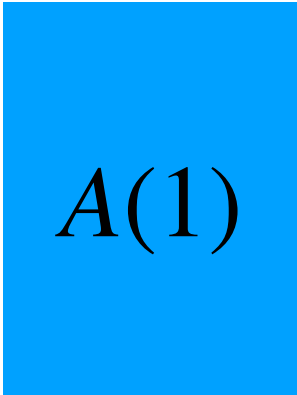
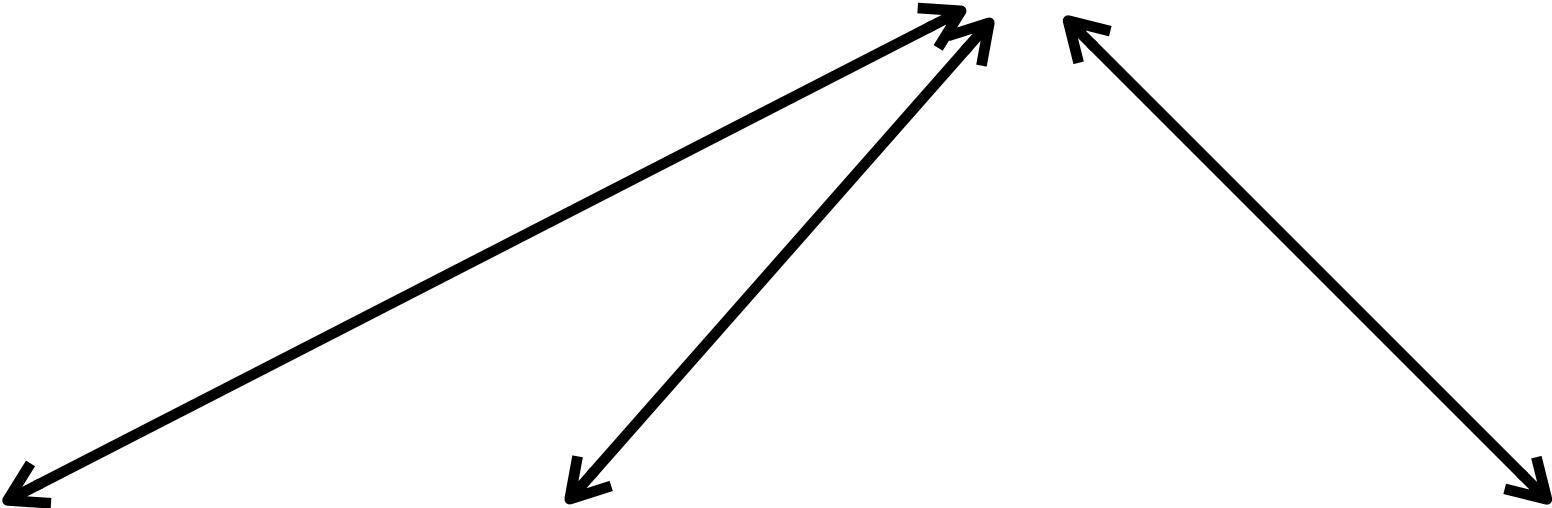


Distributed Setting

Coordinator



Server 1



Server 2



Server s

A

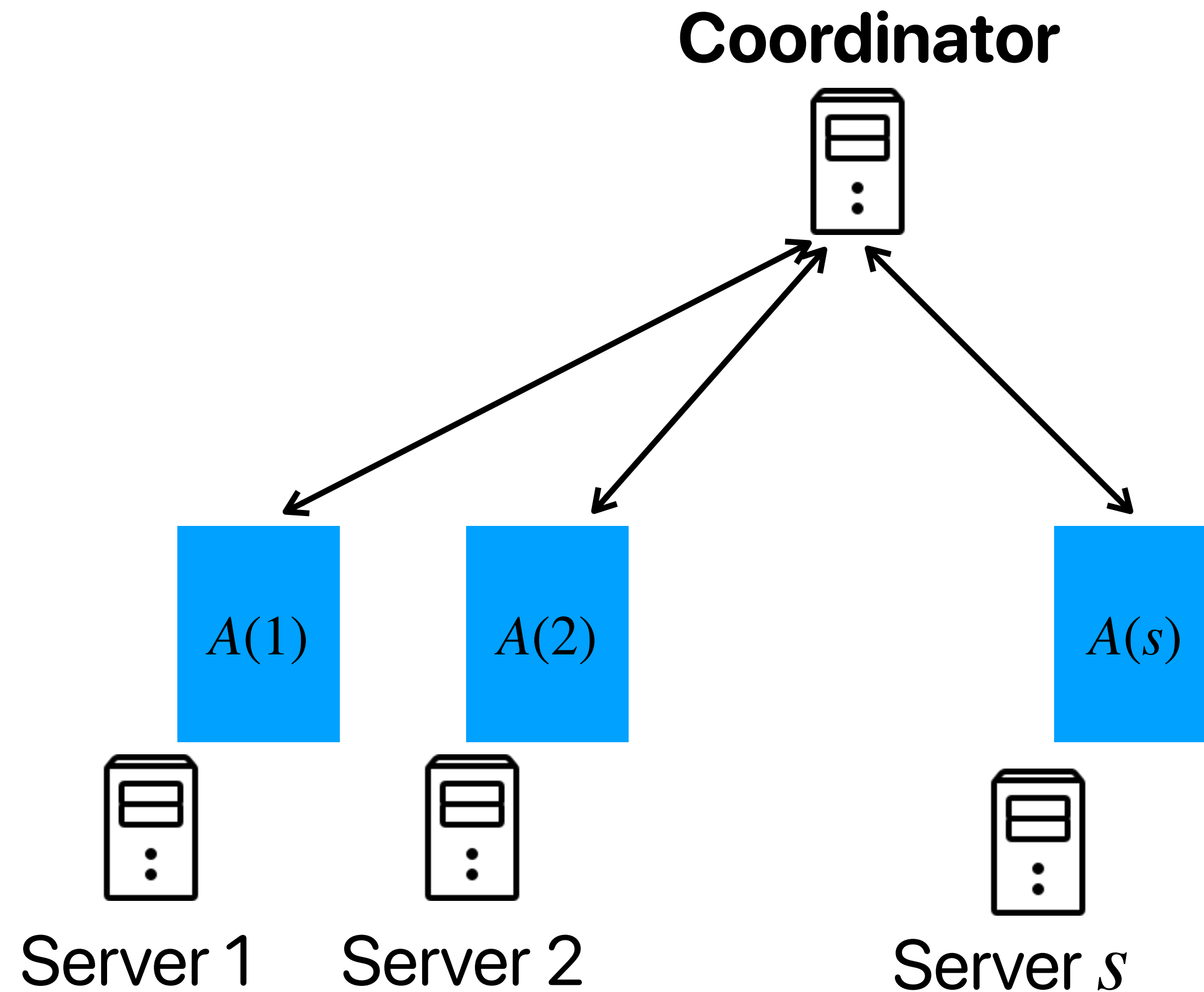
$$= A(1) + \cdots + A(s)$$



- General point-to-point communication with twice the communication + $\log_2 s$ bits

- We also study arbitrary graph topologies in the thesis

Distributed Setting



$$A = A(1) + \dots + A(s)$$

- General point-to-point communication with twice the communication + $\log_2 s$ bits
- We also study arbitrary graph topologies in the thesis

Turnstile Streaming



x

Updates: $(i_1, \Delta_1) (i_2, \Delta_2) \dots (i_m, \Delta_m)$