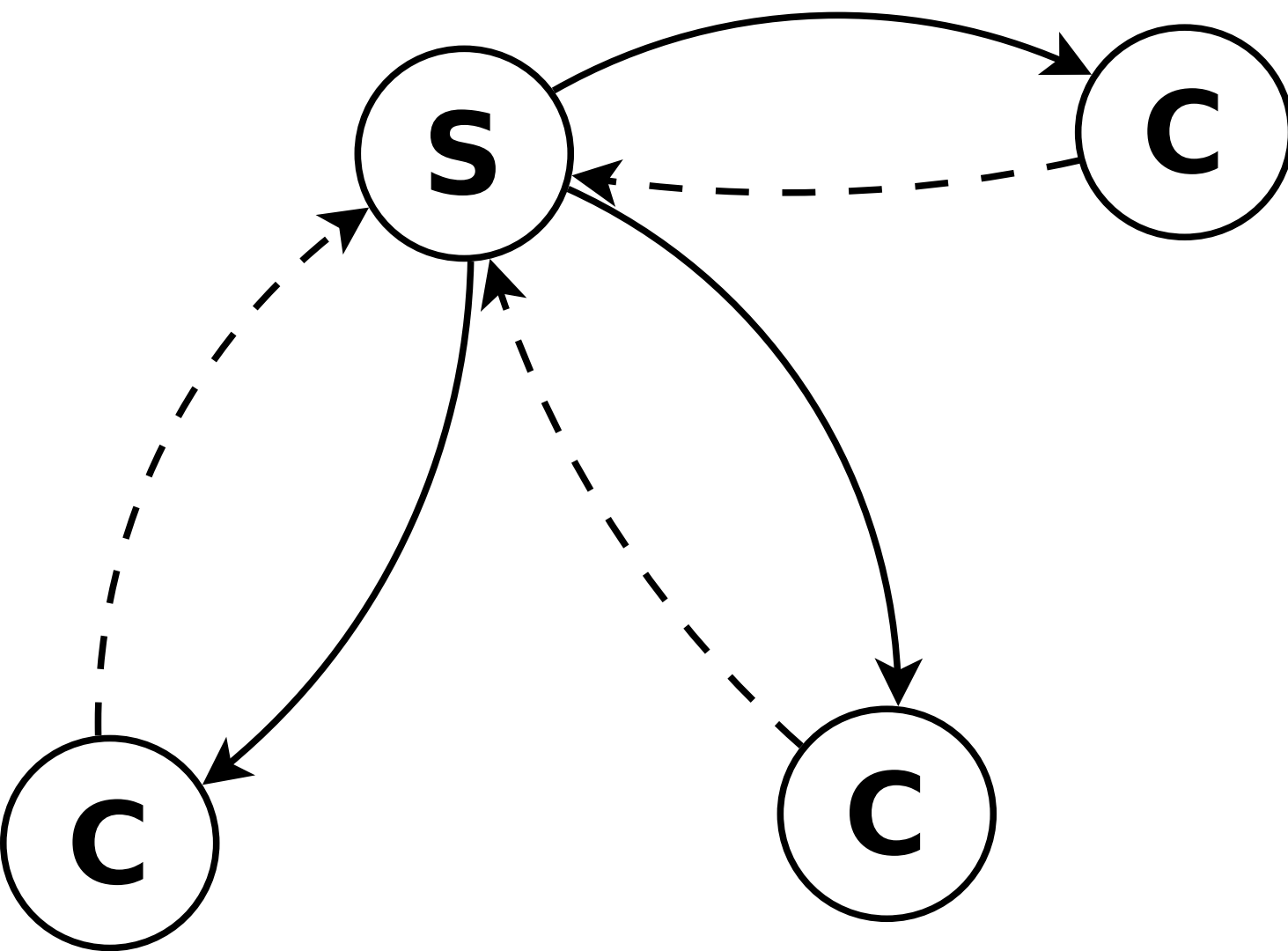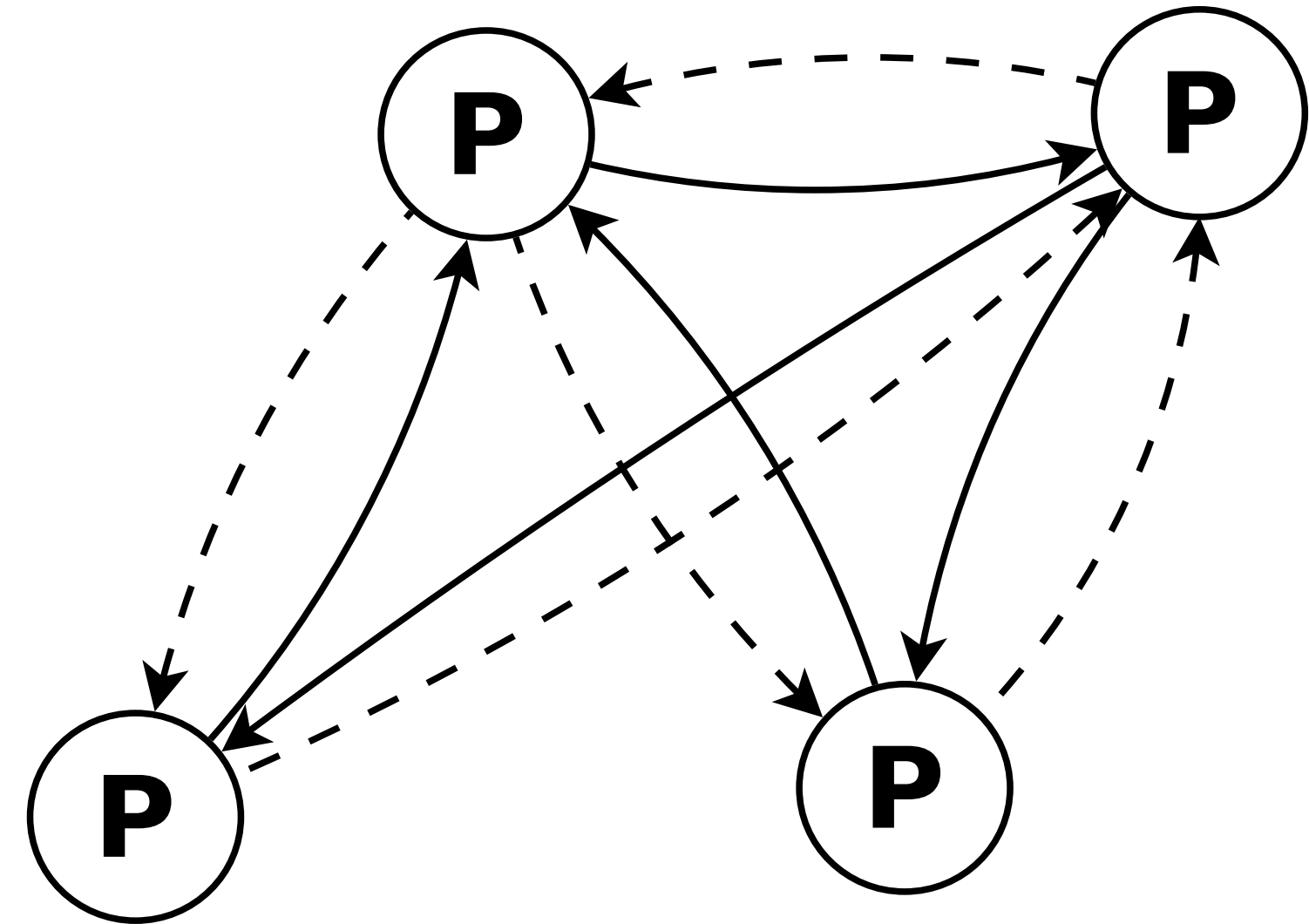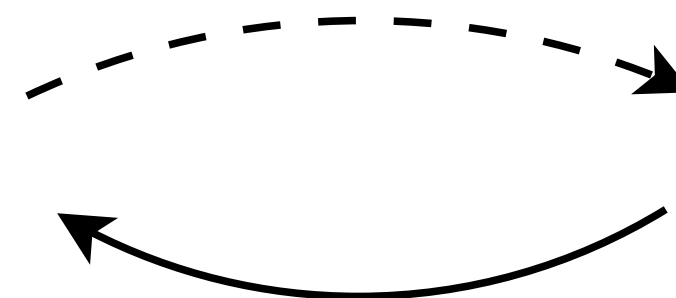client-server paradigm

peer-to-peer paradigm

S - server

C - client

P - peer

request data

reply with data