-- Chart 7: Net bridge flows in/out (monthly)

WITH bridge\_flows AS (

SELECT

DATE\_TRUNC('month', block\_timestamp) AS month,

CASE

WHEN platform IN ('optimism\_gateway', 'arbitrum\_gateway', 'polygon\_pos\_bridge') THEN 'Outflow'

WHEN platform IN ('optimism\_portal', 'arbitrum\_retryable', 'polygon\_pos\_portal') THEN 'Inflow'

ELSE 'Unknown'

END AS flow\_direction,

SUM(COALESCE(amount\_usd, 0)) AS volume\_usd

FROM ETHEREUM.DEFI.EZ\_BRIDGE\_ACTIVITY

WHERE block\_timestamp >= '2023-01-01'

AND block\_timestamp < '2025-09-01'

AND amount\_usd BETWEEN 0.1 AND 1e9

AND amount\_usd IS NOT NULL

GROUP BY 1, 2

),

net\_flows AS (

SELECT

month,

SUM(CASE WHEN flow\_direction = 'Inflow' THEN volume\_usd ELSE 0 END) AS inflow\_usd,

SUM(CASE WHEN flow\_direction = 'Outflow' THEN volume\_usd ELSE 0 END) AS outflow\_usd,

SUM(CASE WHEN flow\_direction = 'Unknown' THEN volume\_usd ELSE 0 END) AS unknown\_flow\_usd,

SUM(volume\_usd) AS total\_bridge\_volume

FROM bridge\_flows

GROUP BY 1

)

SELECT

month,

inflow\_usd / 1e9 AS inflow\_billions,

outflow\_usd / 1e9 AS outflow\_billions,

(inflow\_usd - outflow\_usd) / 1e9 AS net\_flow\_billions,

unknown\_flow\_usd / 1e9 AS unknown\_flow\_billions,

total\_bridge\_volume / 1e9 AS total\_bridge\_volume\_billions

FROM net\_flows

ORDER BY month