

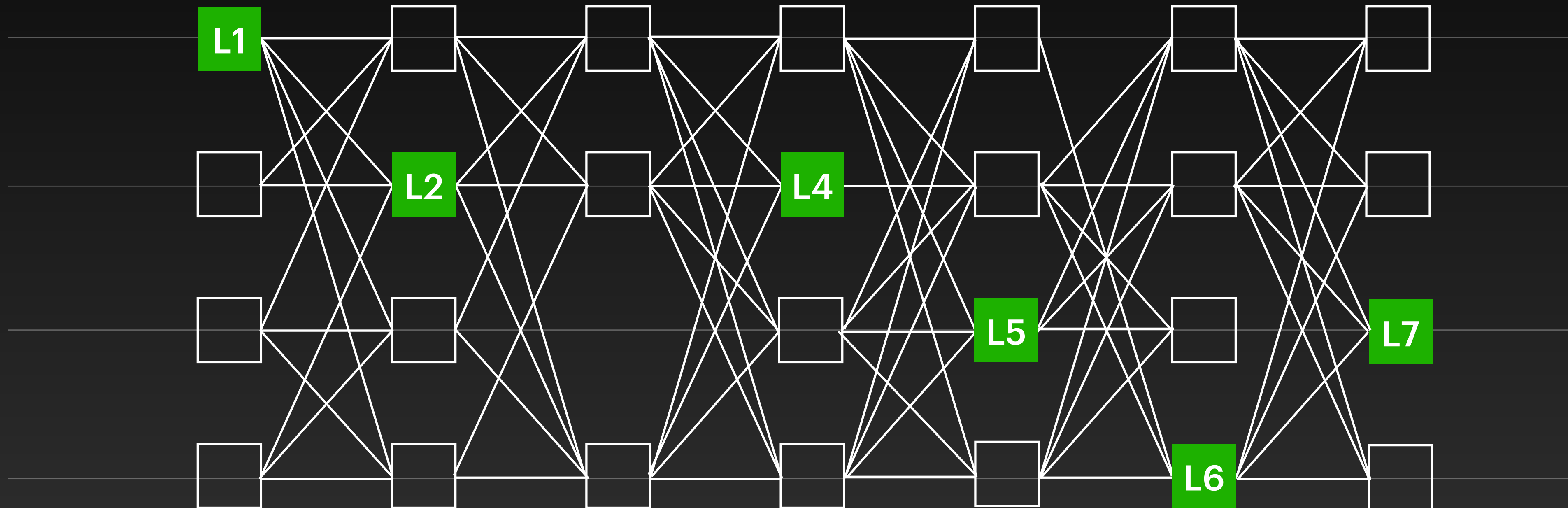
HammerHead

Reputation-based leader election module for DAG-
based consensus

Alberto Sonnino

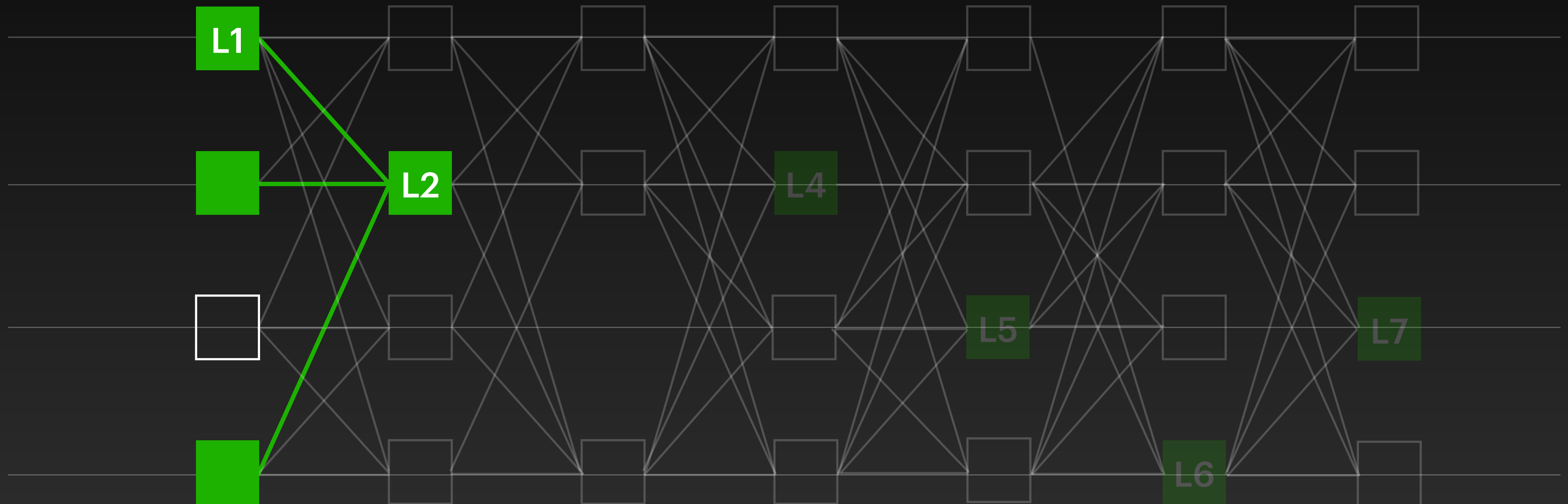
DAG-Based Consensus

Elects Leaders



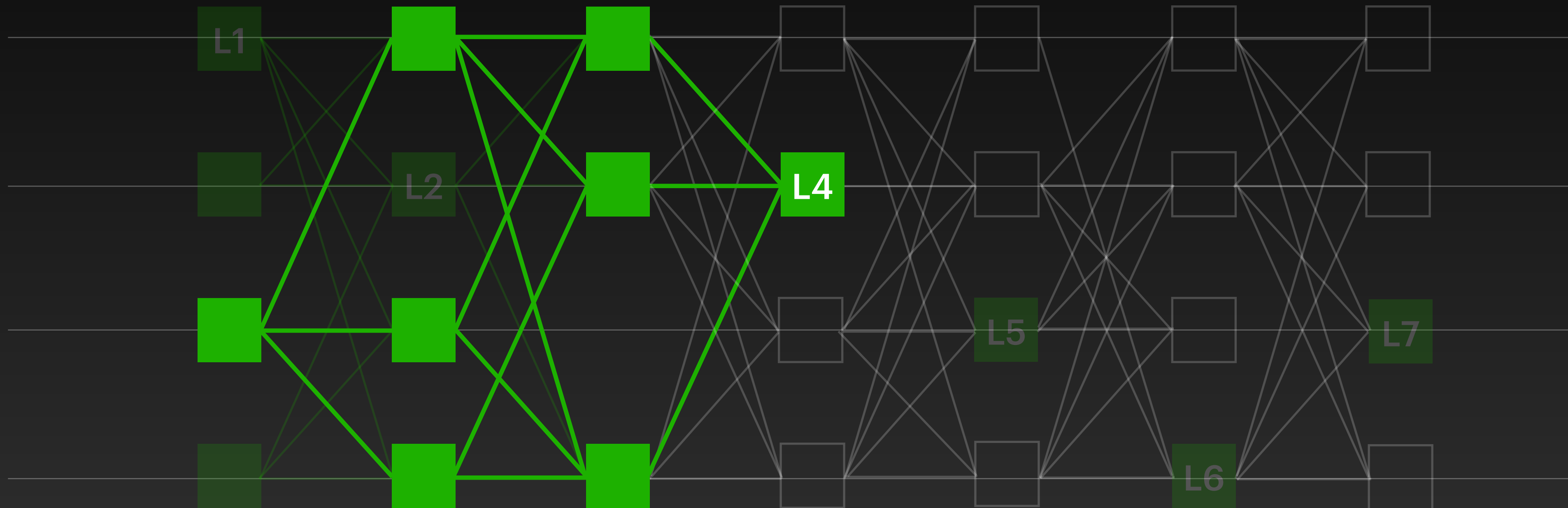
DAG-Based Consensus

Commits Sub-DAGs



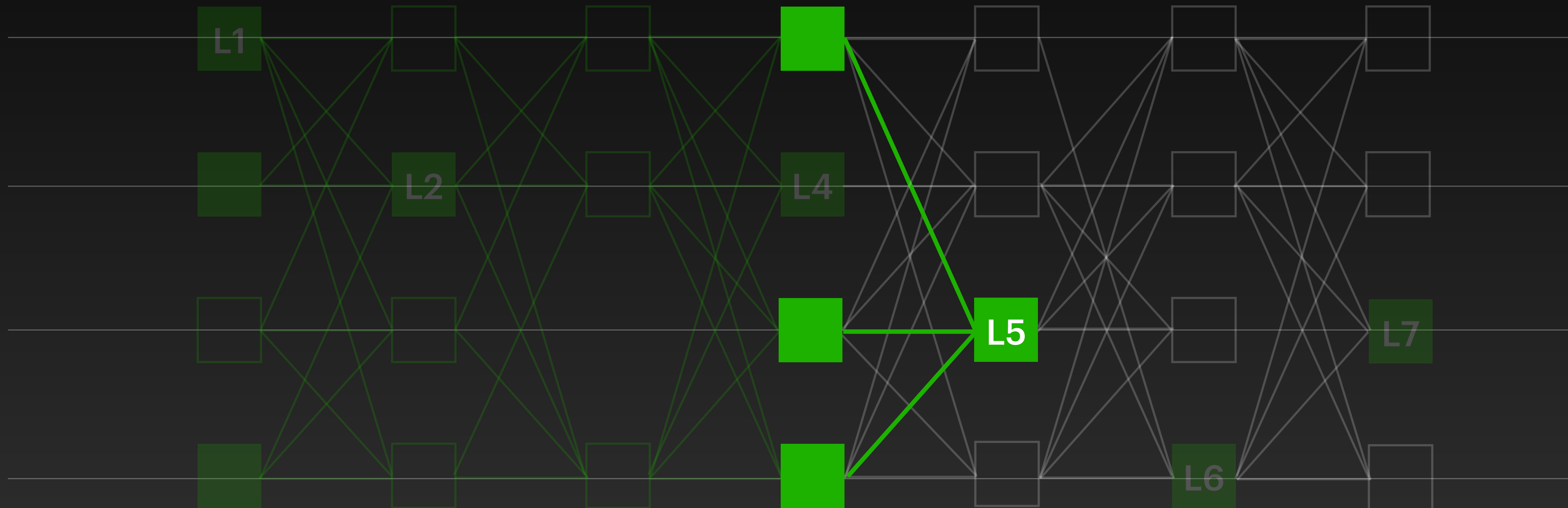
DAG-Based Consensus

Commits Sub-DAGs



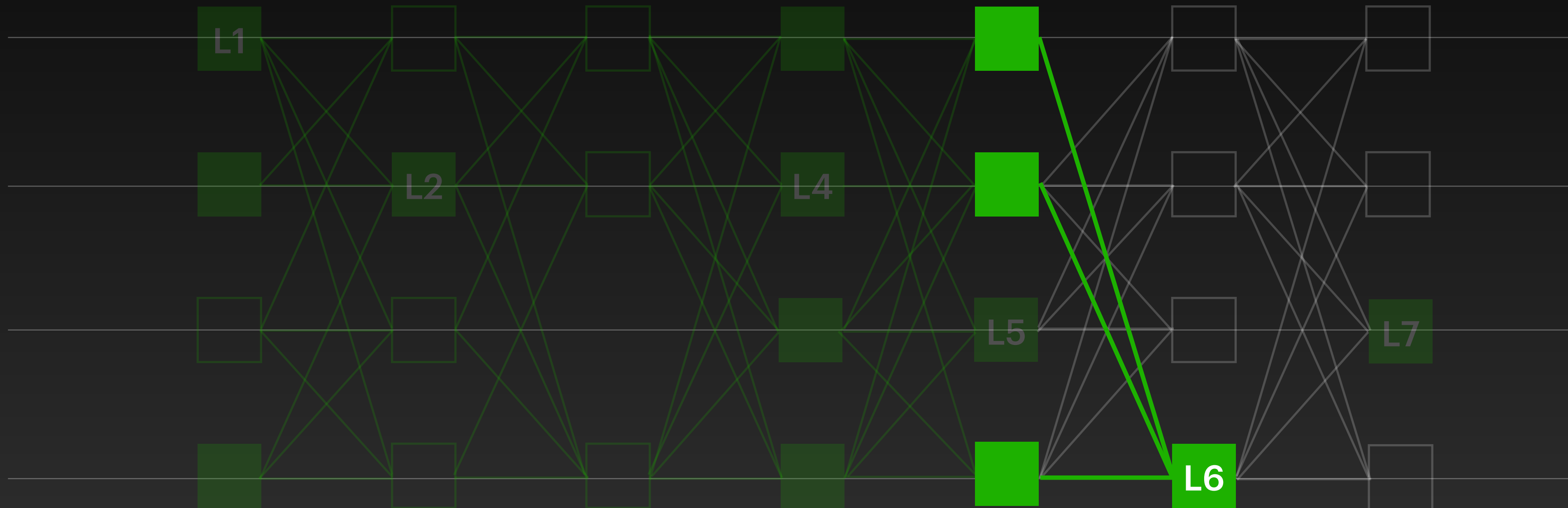
DAG-Based Consensus

Commits Sub-DAGs



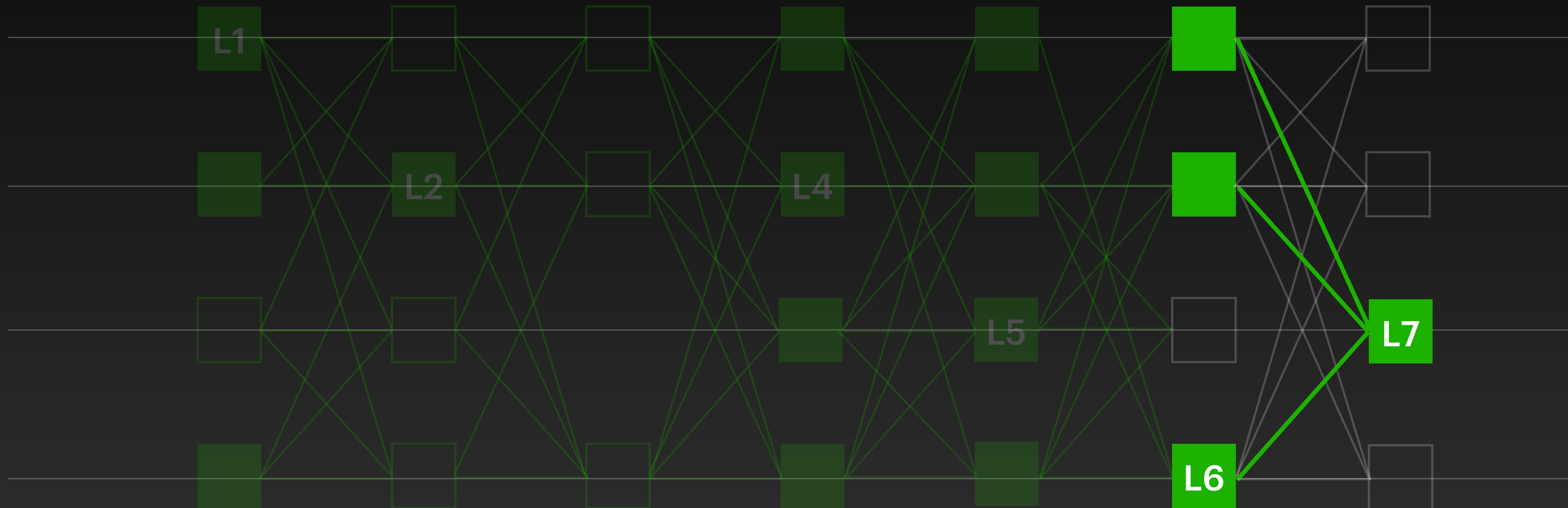
DAG-Based Consensus

Commits Sub-DAGs



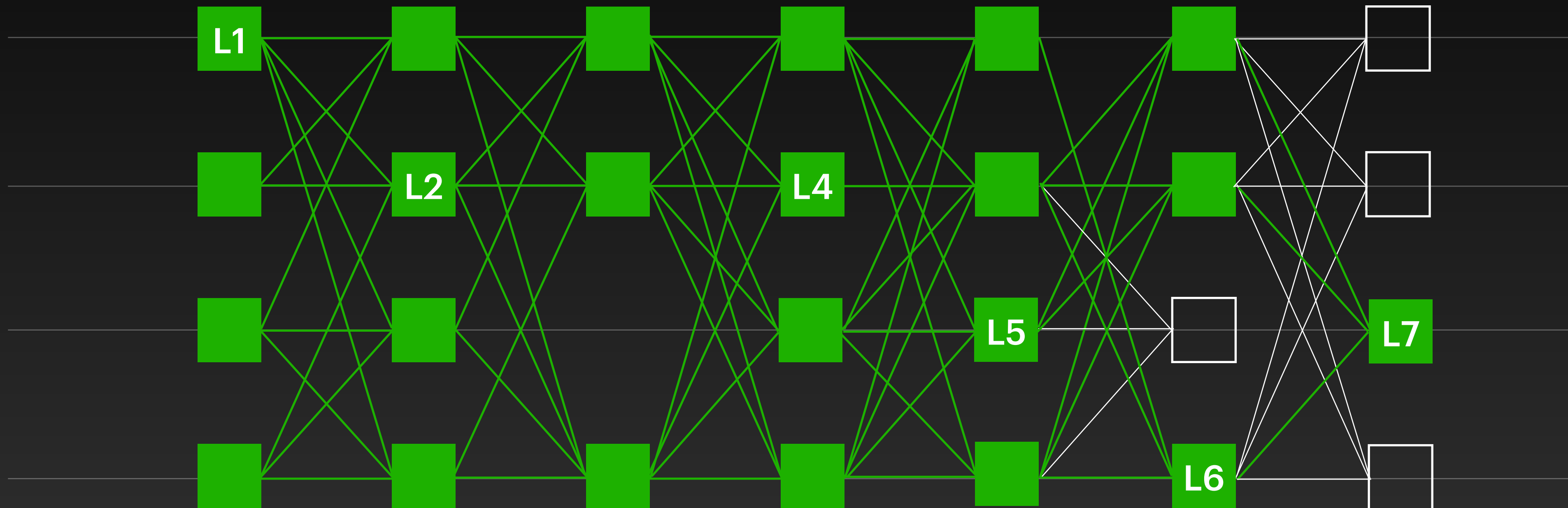
DAG-Based Consensus

Commits Sub-DAGs



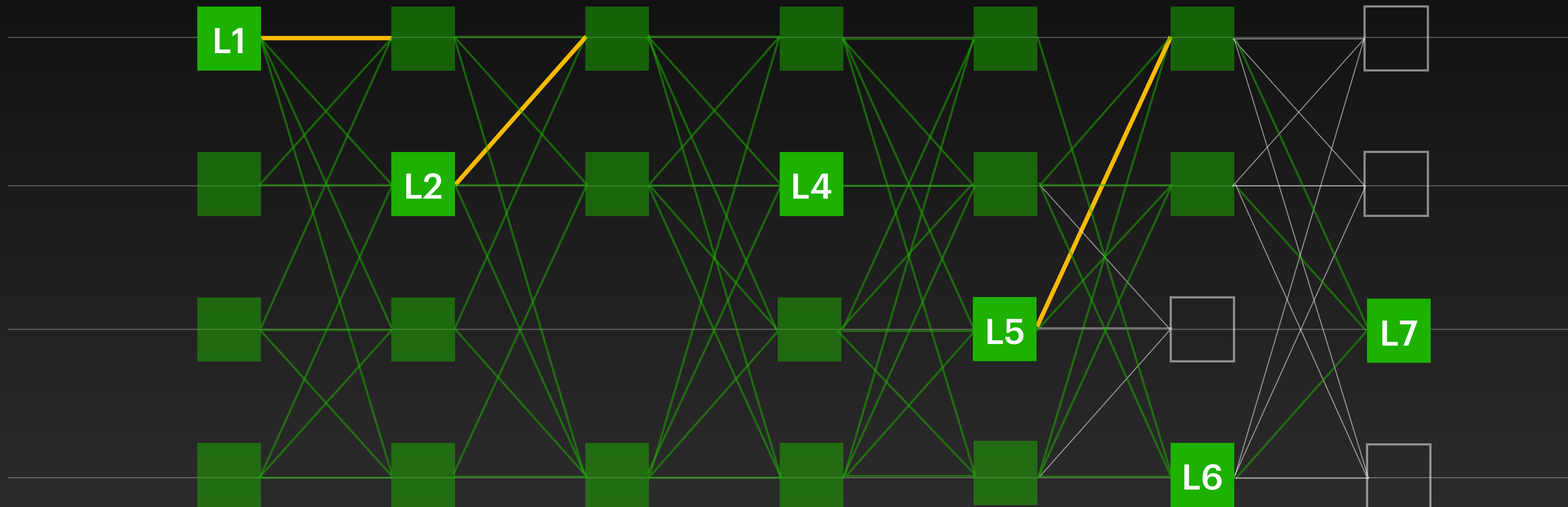
HammerHead

Compute Reputation Scores (Periodically)



HammerHead

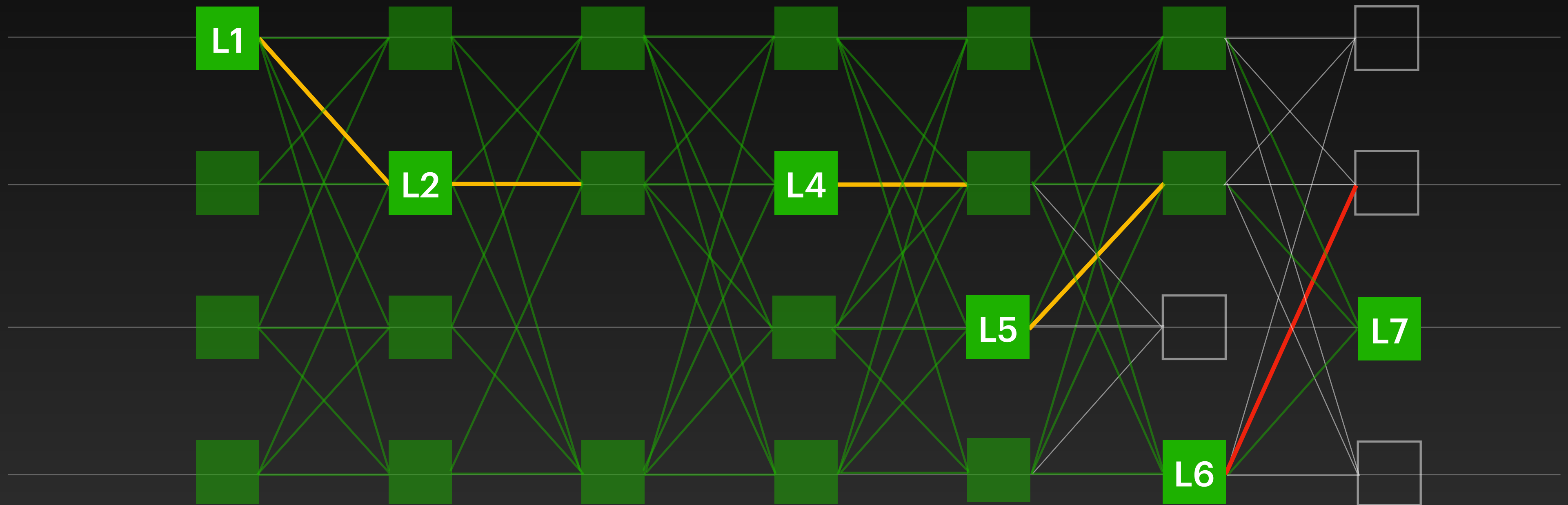
Compute Reputation Scores



node 1: 3

HammerHead

Compute Reputation Scores

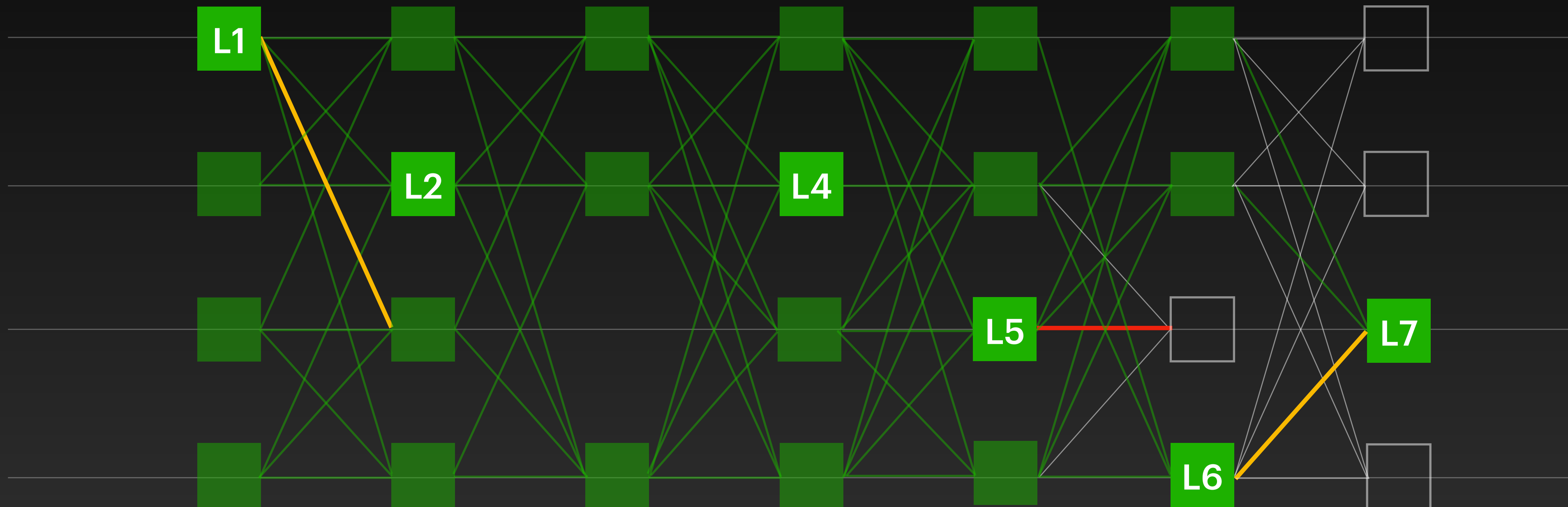


node 1: 3

node 2: 4

HammerHead

Compute Reputation Scores



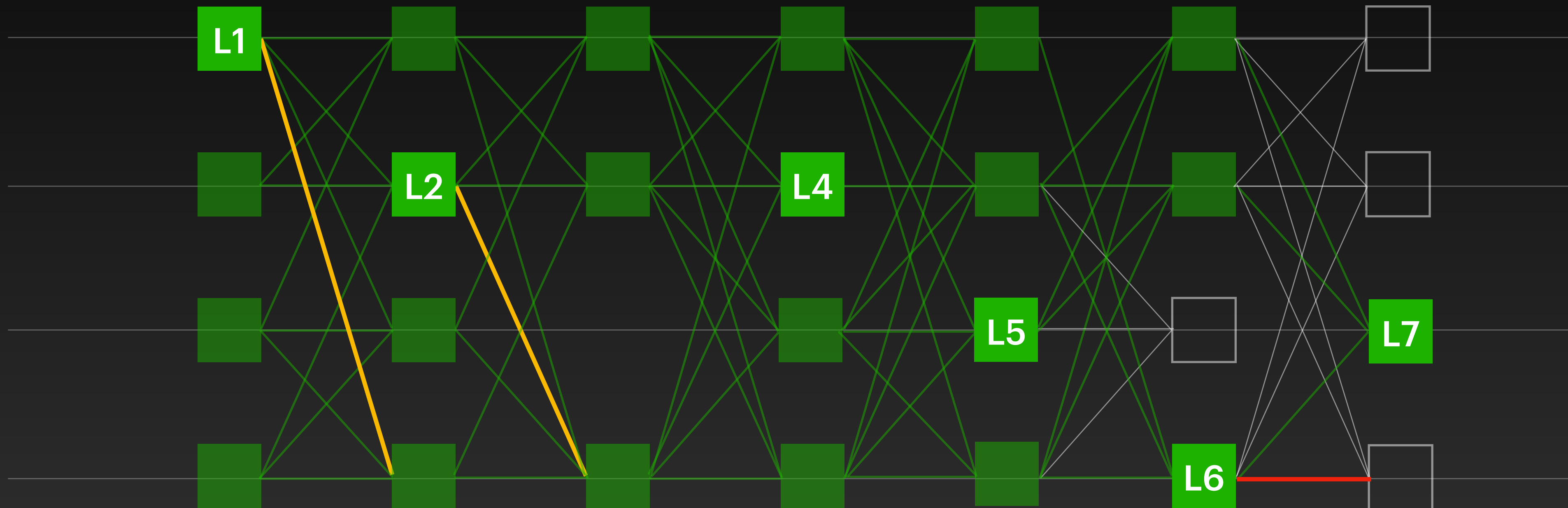
node 1: 3

node 2: 4

node 3: 2

HammerHead

Compute Reputation Scores



node 1: 3

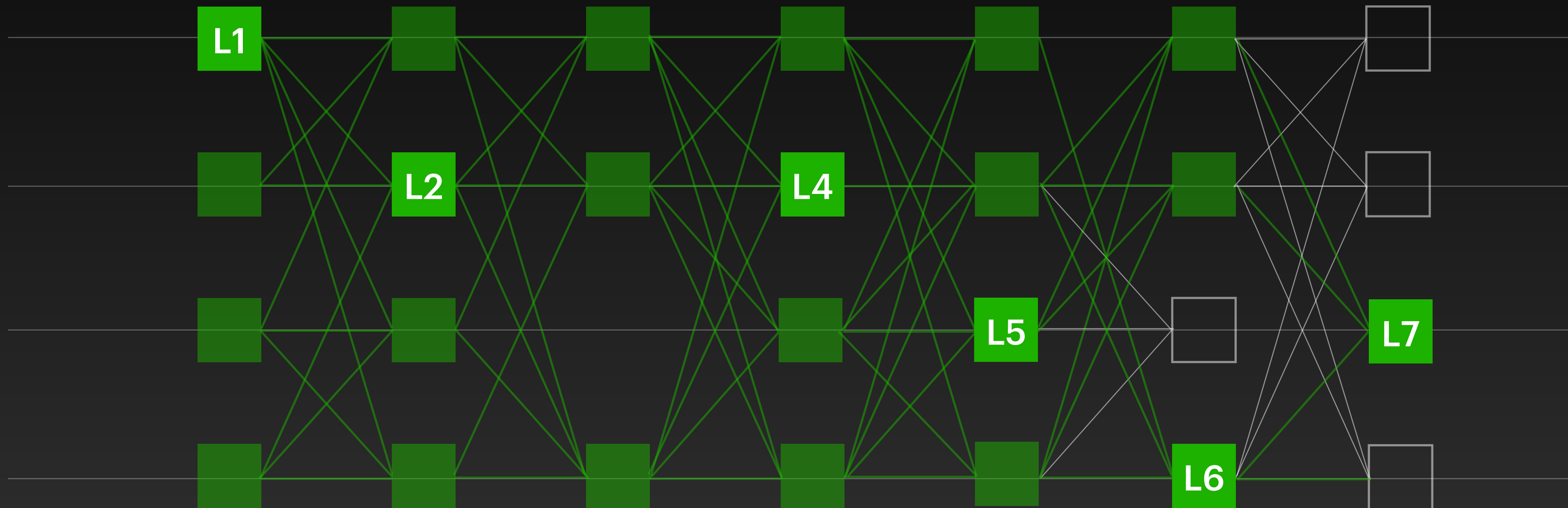
node 2: 4

node 3: 2

node 4: 2

HammerHead

Future Leaders



node 1: 3

node 2: 4

node 3: 2

node 4: 2