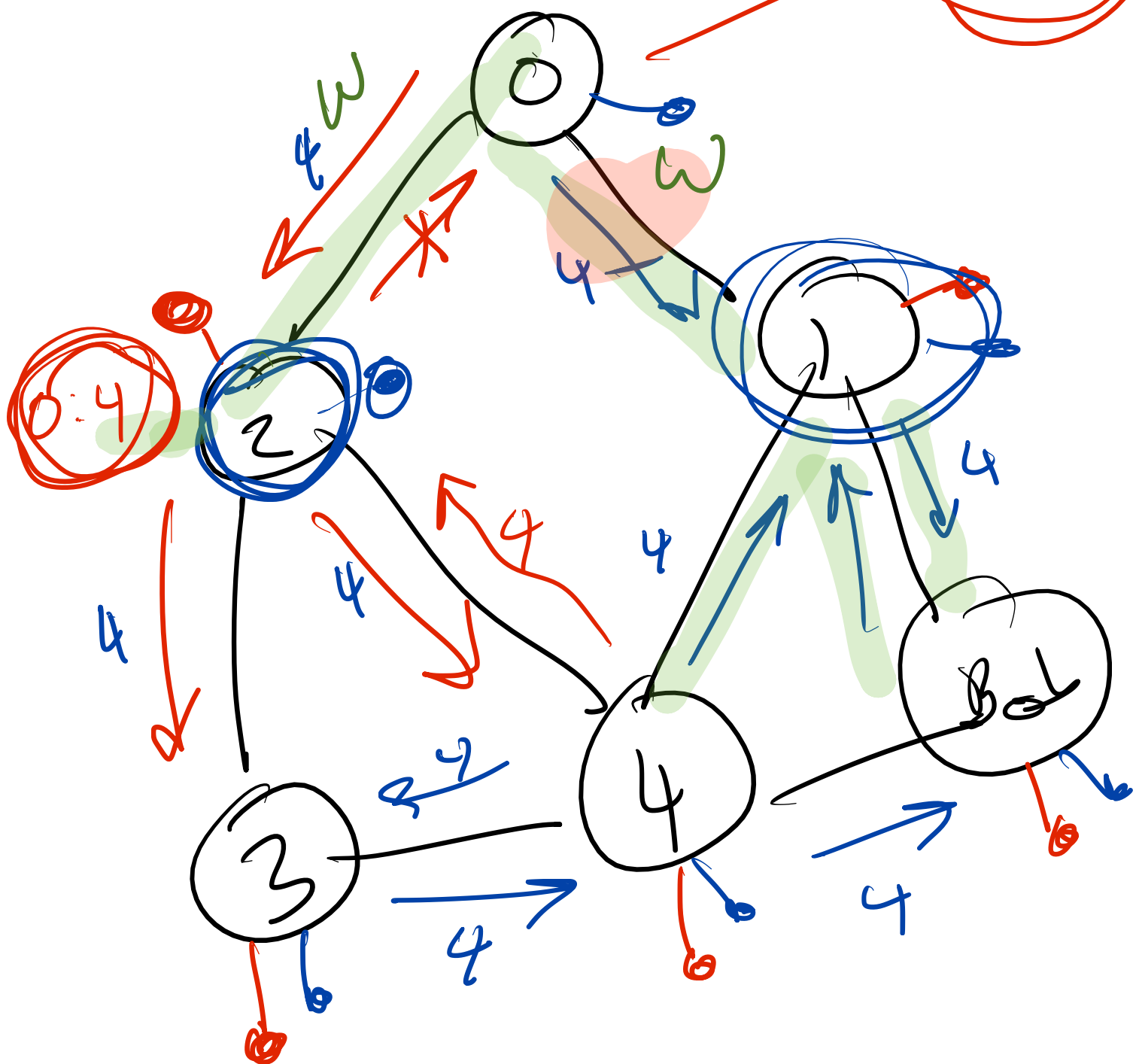


467

Link State Routing

- Reliable Flooding
 - disseminates topology
- Shortest Path
 - local

Reliable Flooding



Link State Packet

- used to send Link State
Updates

LSP : node-id (src)
{ (neighbor, cost) }
sequence-number

State at each node

at 2

Time-to-live

node-id	# seq	TTL	link set
0	9	15m ↓ 0	{ }
1	83		
2	55		

Accept LSU ?

send to ?

Send to all neighbors
except the one
the LSU came
from

sum 0

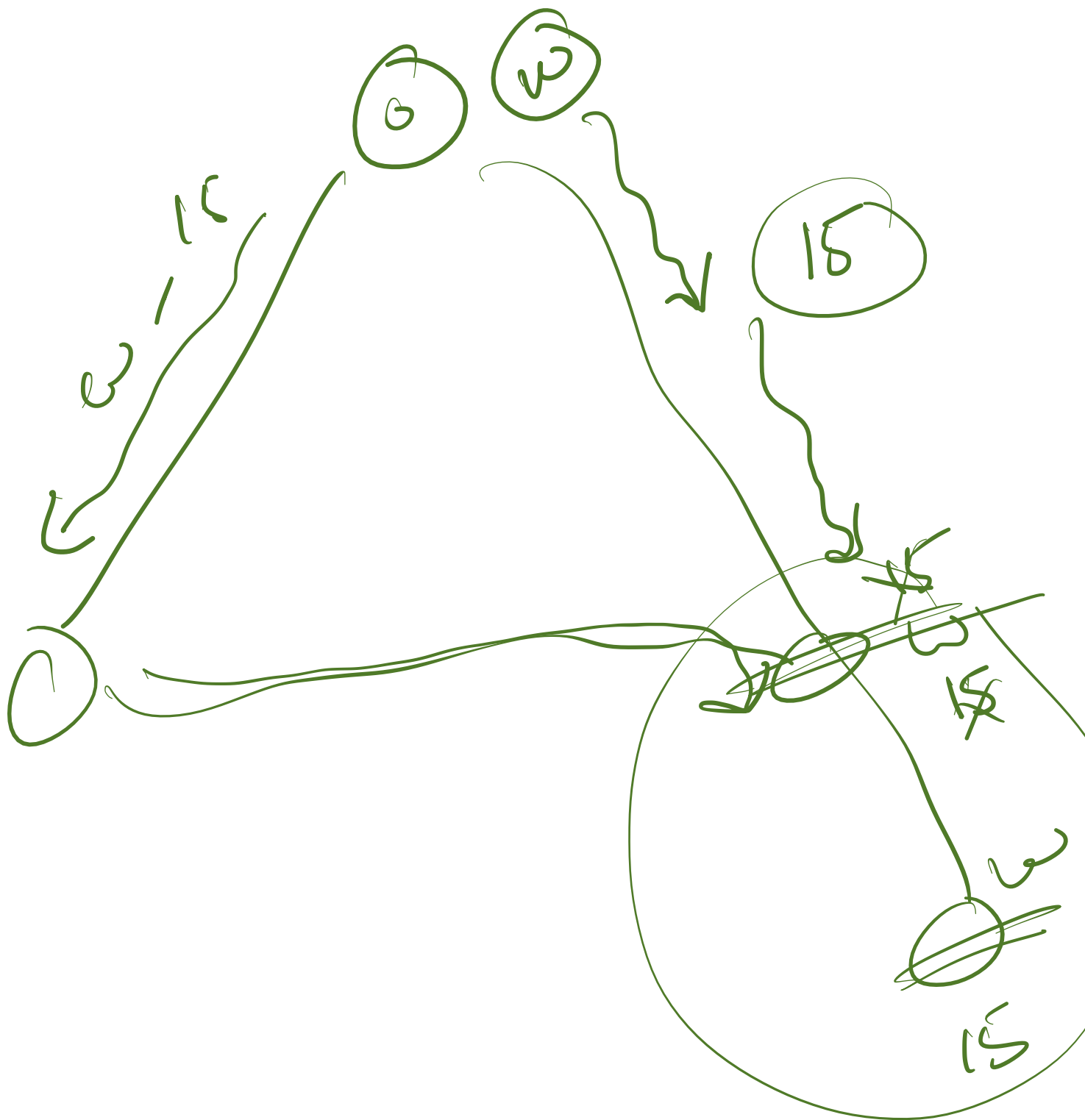


~~16~~ 15 (max)

at node 2



$$\left(15 + 1 - \frac{1}{16} \right) = 0$$



OSPF

Wybe

open

Shortest

path

first.