- **Advertising the mappings at LSR2 and LSR4**

LSR2 routing table
R1 direct

LSR2 label table
$(2, L3) \rightarrow 1$, POP
$(0, L4) \rightarrow 1$, POP
Received mappings
R1:L7 via 2 (unused)

LSR1 routing table
R1 via LSR2

LSR1 label table
$(2, L3) \rightarrow 1$, SWAP(L4)
LSR1 FEC table
$R1 \rightarrow 1$, PUSH(L4)
Received mappings
R1:L4 via 1 (used)

R1:L4

R1:L3

R1:L3

R1:L7

R1:L6

R1

LSR1 0 1 2

LSR2 0 1 2

LSR3 0 1 2

LSR4 0 1 2

LSR3 routing table
R1 via LSR1

LSR3 label table

LSR3 FEC table
$R1 \rightarrow 1$, PUSH(L3)
Received mappings
R1:L6 via 2 (unused)
R1:L3 via 1 (used)
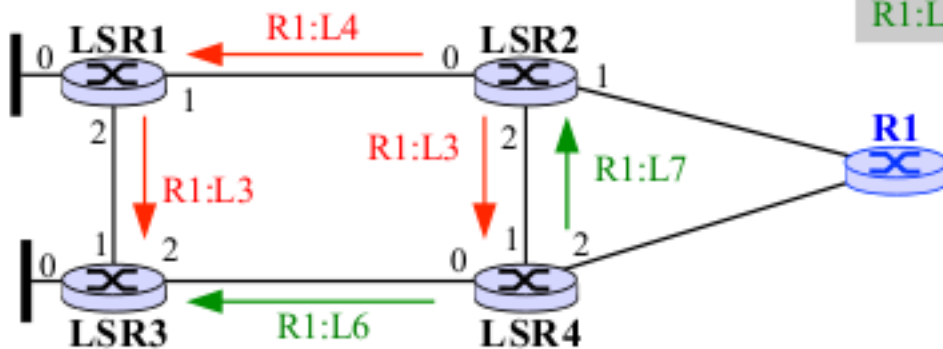
LSR4 routing table
R1 direct

LSR4 label table
$(0, L6) \rightarrow 2$, POP
$(1, L7) \rightarrow 2$, POP
Received mappings
R1:L3 via 1 (unused)

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