

Use of the Egress Tree in SPT

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November 2005

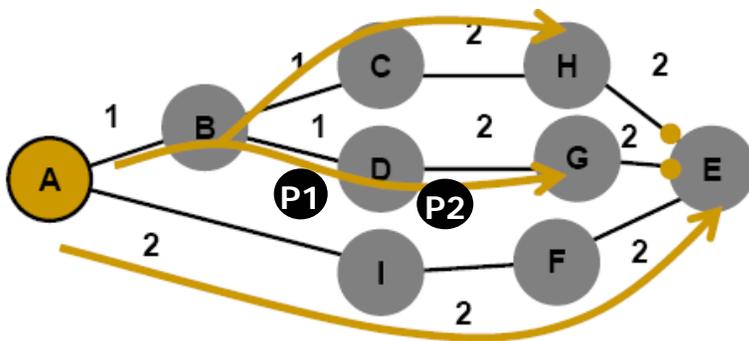
Second alternative (don't learn)

Same assumptions

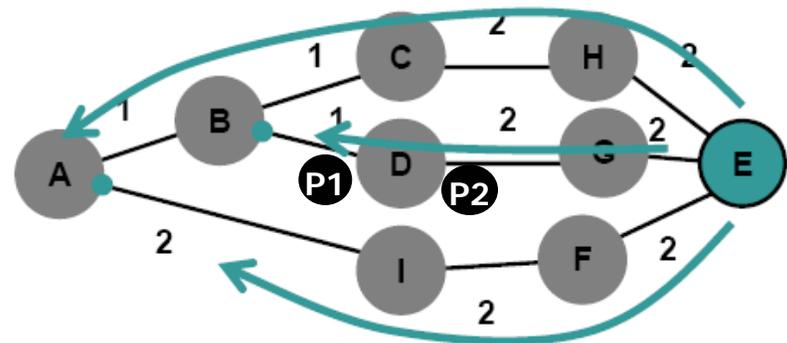
- Spanning Tree Per Bridge
- MAC-in-MAC

What Bridges Know

1. A bridge participates in all trees.
2. Each bridge knows all root bridge-IDs (MACs).
3. Trees easily numbered (1, 2,..... 9).
4. Tree number encoded in VID.
5. Bridge knows root_port for each tree.



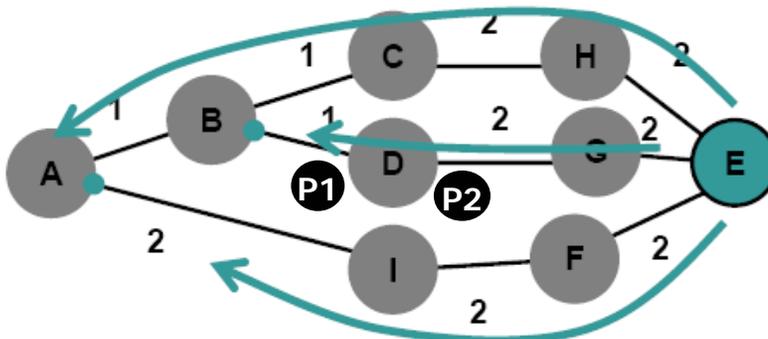
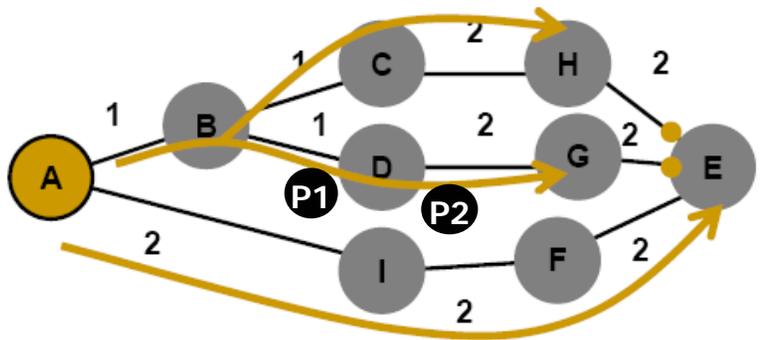
Tree with root A is tree 1.
P1 is root_port of tree 1 in bridge D.



Tree with root E is tree 2.
P2 is root_port of tree 2 in bridge D.

Forwarding Table Construction

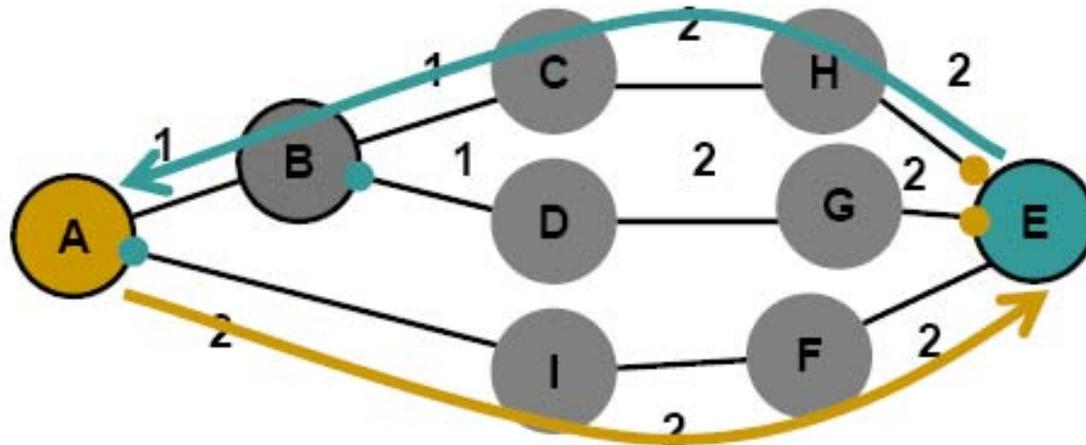
1. Sufficient information to construct forwarding table
2. Table modified with tree changes
3. Learning not needed for forwarding



VID	Port Out
1	P1
2	P1
3	P1
4	-
5	P2
6	P1
7	P2
8	P1
9	P1

MAC-in-MAC / SPT Environment

- If learning not needed.
 - then asymmetric trees can be used.
- No need for Path Vector method.



- Suggested that this be described as 'open issue' in initial draft.