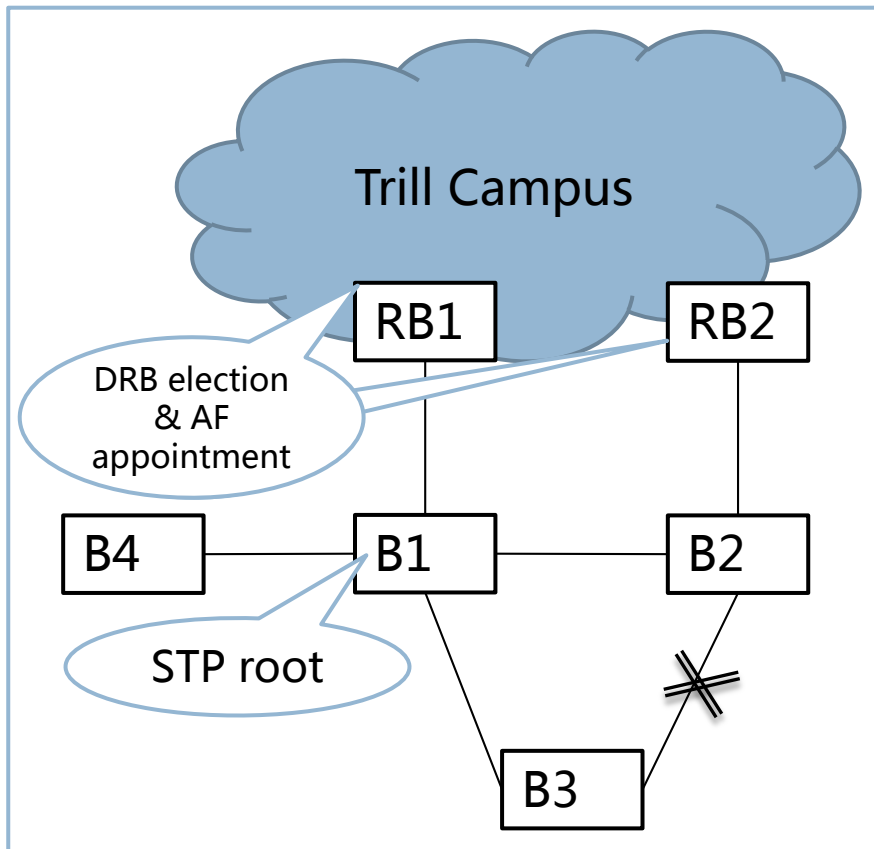


AWARE TC BPDU ON RBRIDGE

draft-yizhou-trill-tc-awareness-01
Update

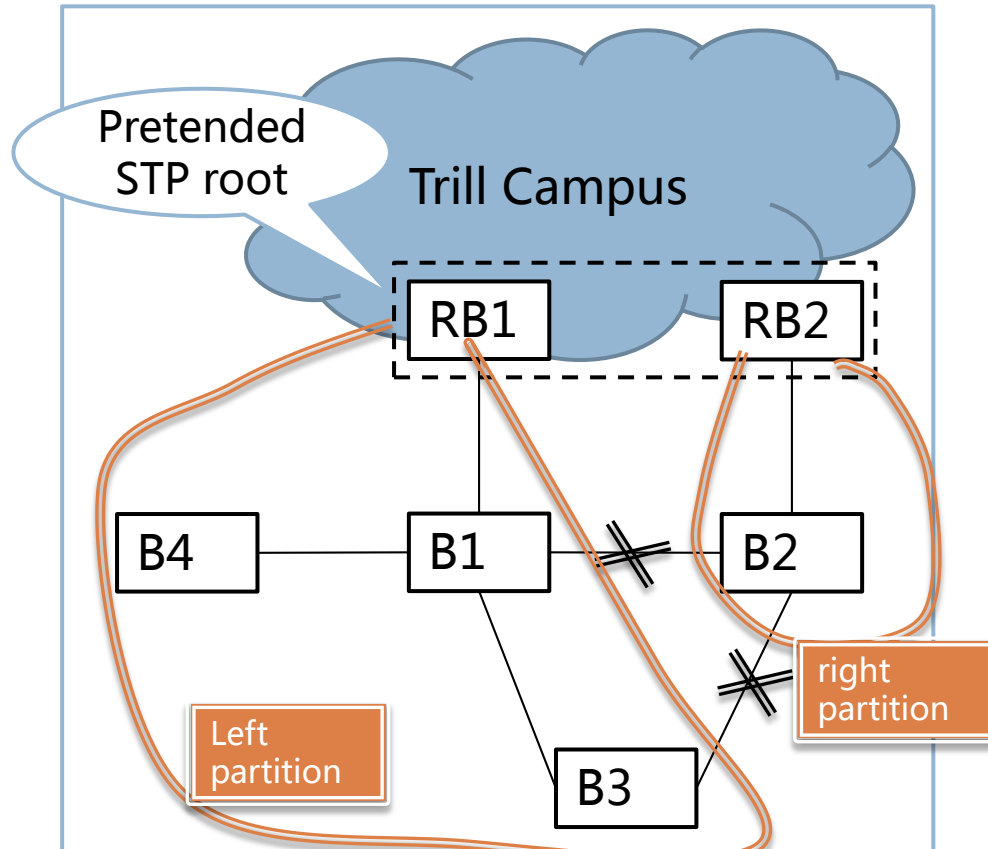
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Background – Two approaches to interconnect STP and trill domain



Method 1 (AF approach):

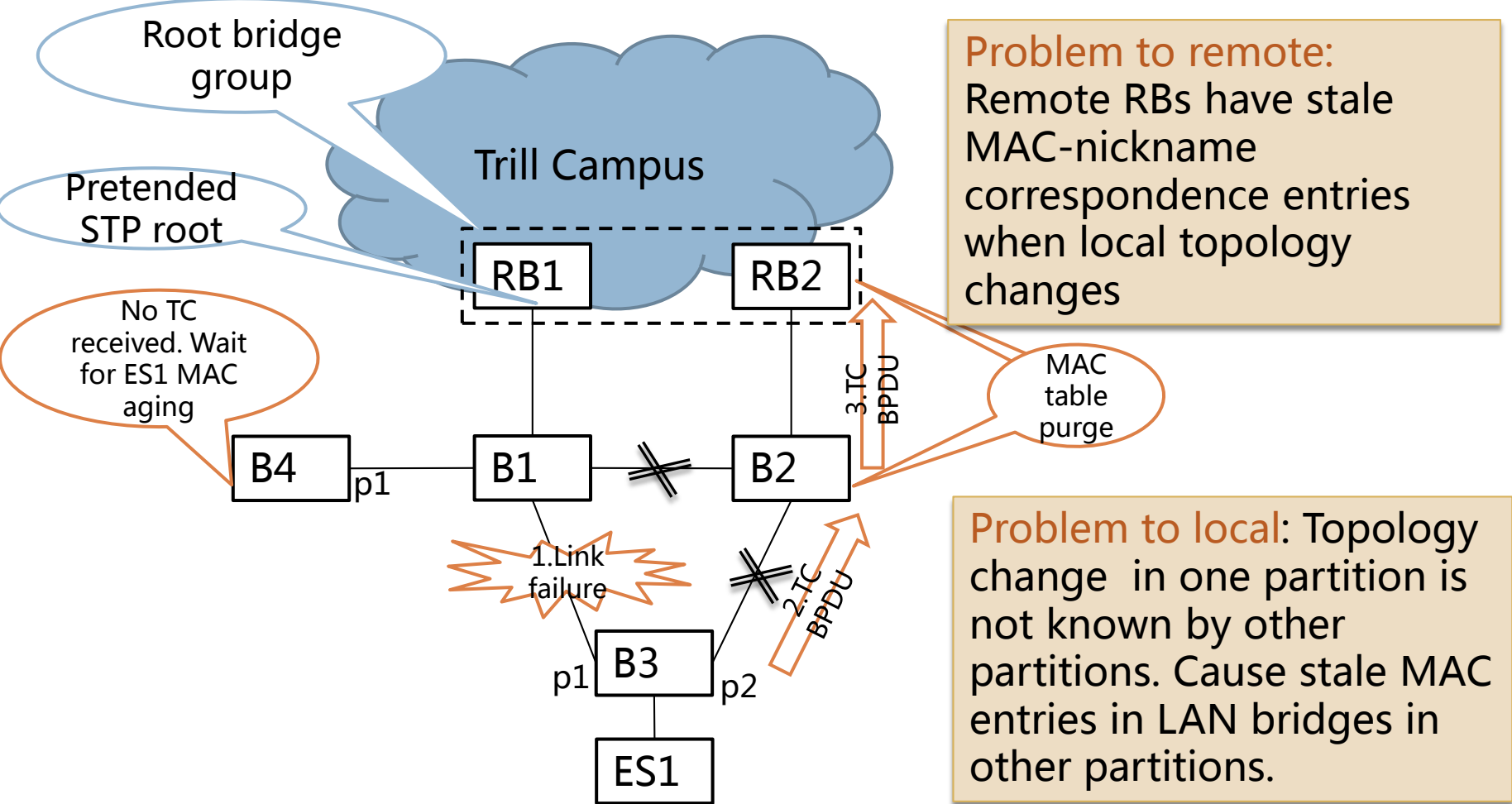
- RB does not participate in spanning tree calculation.
- Achieve VLAN splitting on VLANs



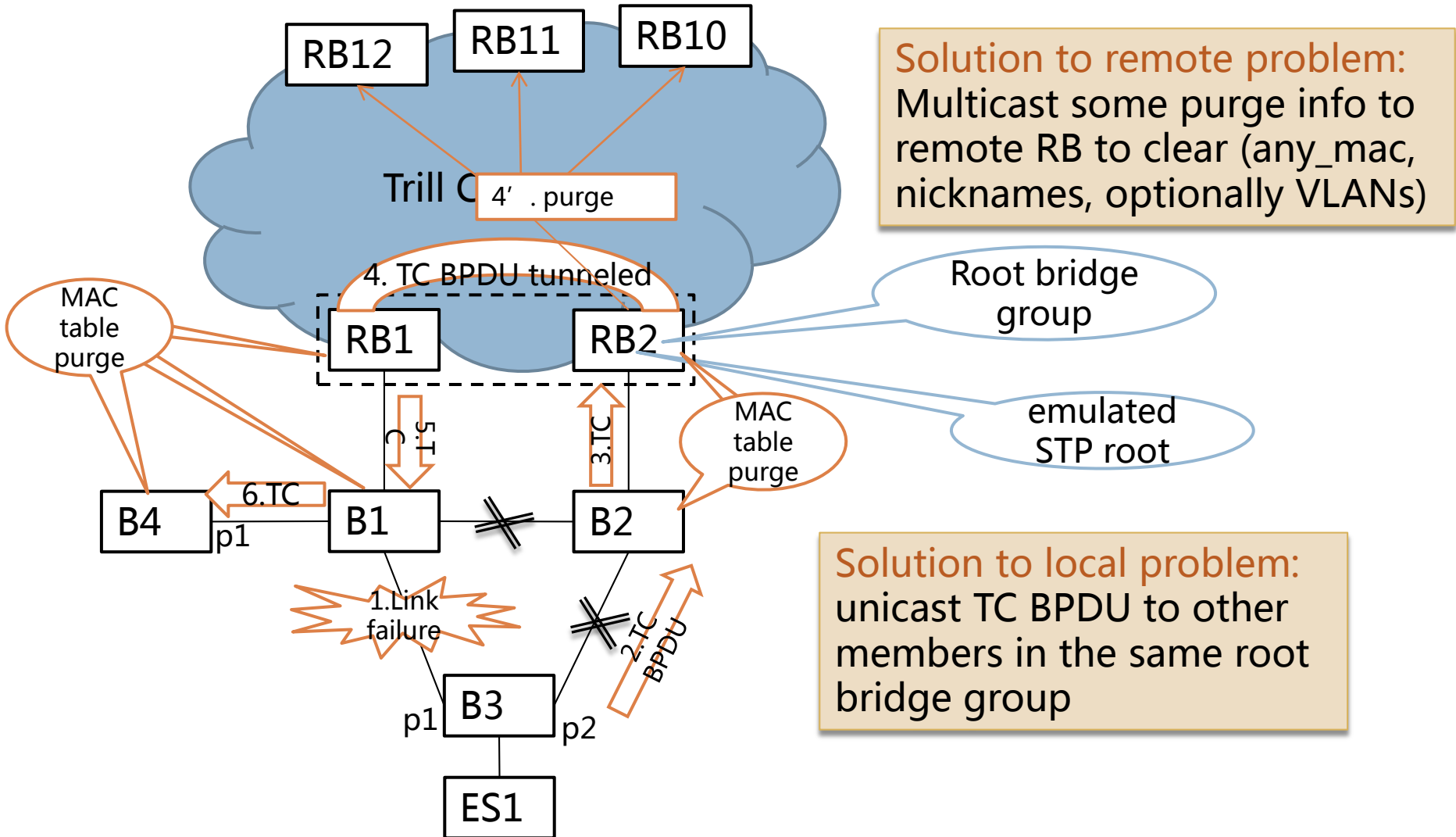
Method 2 (Ethernet LAN Partition approach):

- RB1 & RB2 pretend to be single STP root
- Make Ethernet LAN domain partitioned
- Achieve per-vlan load balancing. AF & its inhibition timer no longer not necessary

Problems with Ethernet LAN Partition approach



Use RBridge channel to tunnel TC BPDUs and carry purge mesg



Changes since 00

- Root bridge group:
 - ▣ Allow static configuration
 - ▣ If more than 2 RBs in a group: sequential unicast TC
- Temporary TRILL campus splitting
 - ▣ Make sure destination RB should be reachable via TRILL campus
 - ▣ Not function for transition period
- Enhanced text for TLV field description

Next Step

- More comments welcome
- Move to WG draft