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https://www.100test.com/kao_ti2020/142/2021_2022_CCNA_E8_A

E_A4_E8_AF_81_c101_142180.htm problem: routing loops (slow detection of topology change, incorrect routing table/updates)

solution: split horizon ("if you learn a route on one interface do not send back that info on that same interface") solution: route

poisoning ("set route to infinity") solution: hold-down timers

("ignore updates for some time") problem: counting to infinity

(incorrect routing table/updates) solution: define a maximum

("max. hop count 1 = infinity") problem: link-state updates can

arrive at different time based on bandwidth (slow and fast links)

solution: dampen the periodic update (longer intervals) solution:

use time stamps solution: use targeted multicast (not flood), define

router hierarchies (i.e. partition network) 21) separate and integrated

multiprotocol routing separate: "ships-in-the-night" routing, i.e. no

protocol is affected any other protocol integrated: replaces native

routing algorithm, exchanges common routing info, still maintains

separate routing tables, saves resources, simplifies admin's tasks 22) ip

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