R3, R4, and R5 have point-to-point subinterfaces (one each to R1 and R2). On R3, ser0/0.103 goes to R1 and ser0/0.104 goes to R2. The same logic applies to R4. Why do R1 and R2 see equal cost routes to 10.10.34.0/24? If cost is calculated from the perspective of the outgoing interface and I’ve tweaked the routers such that R4’s sub-interfaces have a cost of 100 and R3’s sub-interfaces have a cost of 64, shouldn’t the cost of routes learned via R4 be higher (by 36)?
Last update from 10.10.14.4 on Serial0/0.302, 00:10:22 ago
Routing Descriptor Blocks:
  10.10.14.4, from 4.4.4.4, 00:10:22 ago, via Serial0/0.302
    Route metric is 74, traffic share count is 1
  * 10.10.13.3, from 4.4.4.4, 00:10:22 ago, via Serial0/0.301
    Route metric is 74, traffic share count is 1
R2#show ip route 10.10.34.0
Routing entry for 10.10.34.0/24
  Known via "ospf 200", distance 110, metric 74, type intra area
  Last update from 10.10.24.4 on Serial0/0.402, 00:10:43 ago
Routing Descriptor Blocks:
  10.10.24.4, from 4.4.4.4, 00:10:43 ago, via Serial0/0.402
    Route metric is 74, traffic share count is 1
  * 10.10.23.3, from 4.4.4.4, 00:10:43 ago, via Serial0/0.401
    Route metric is 74, traffic share count is 1