Testing two neighbouring routers (1-2)

router-id 1

input-ports 7001

outputs 7002-1-2

router-id 2

input-ports 7002

outputs 7001-1-1

Testing three routers in series (1-2-3)

router-id 1

input-ports 10001

outputs 2001-1-2

router-id 2

input-ports 2001,2002

outputs 3001-1-3, 10001-1-1

router-id 3

input-ports 3001

outputs 2002-1-2

A picture containing diagram

Description automatically generated

Testing four routers in series (1-2-3-4)

router-id 1

input-ports 10001

outputs 2001-1-2

router-id 2

input-ports 2001,2002

outputs 3001-1-3, 10001-1-1

router-id 3

input-ports 3001, 3002

outputs 2002-1-2, 4001-1-4

router-id 4

input-ports 4001

outputs 3002-1-3

Testing four routers in series (1-2-3-4) with varying cost

router-id 1

input-ports 10001

outputs 2001-1-2

router-id 2

input-ports 2001,2002

outputs 3001-2-3, 10001-1-1

router-id 3

input-ports 3001, 3002

outputs 2002-2-2, 4001-3-4

router-id 4

input-ports 4001

outputs 3002-3-3