Decentralized NAT

RTR

(1)
Info-Request
to 4341

(1)
Info-Request
to 4341

(2)
Info-Reply
pub-RLOC, tport

(4)
Info-Request
from RLOC-a/tport-a
to RLOC-b/4341
opens NAT

xTRa

xTRb

(4)
Info-Request
from RLOC-b/tport-b
to RLOC-a/4341
opens NAT

(3)
Map-Register
pub-RLOC, tport

NAT

NAT

(5)
Packet
s=RLOC-a, port=4341
d=RLOC-b, port=tport-b

(5)
Packet
s=RLOC-b, port=4341
d=RLOC-a, port=tport-a

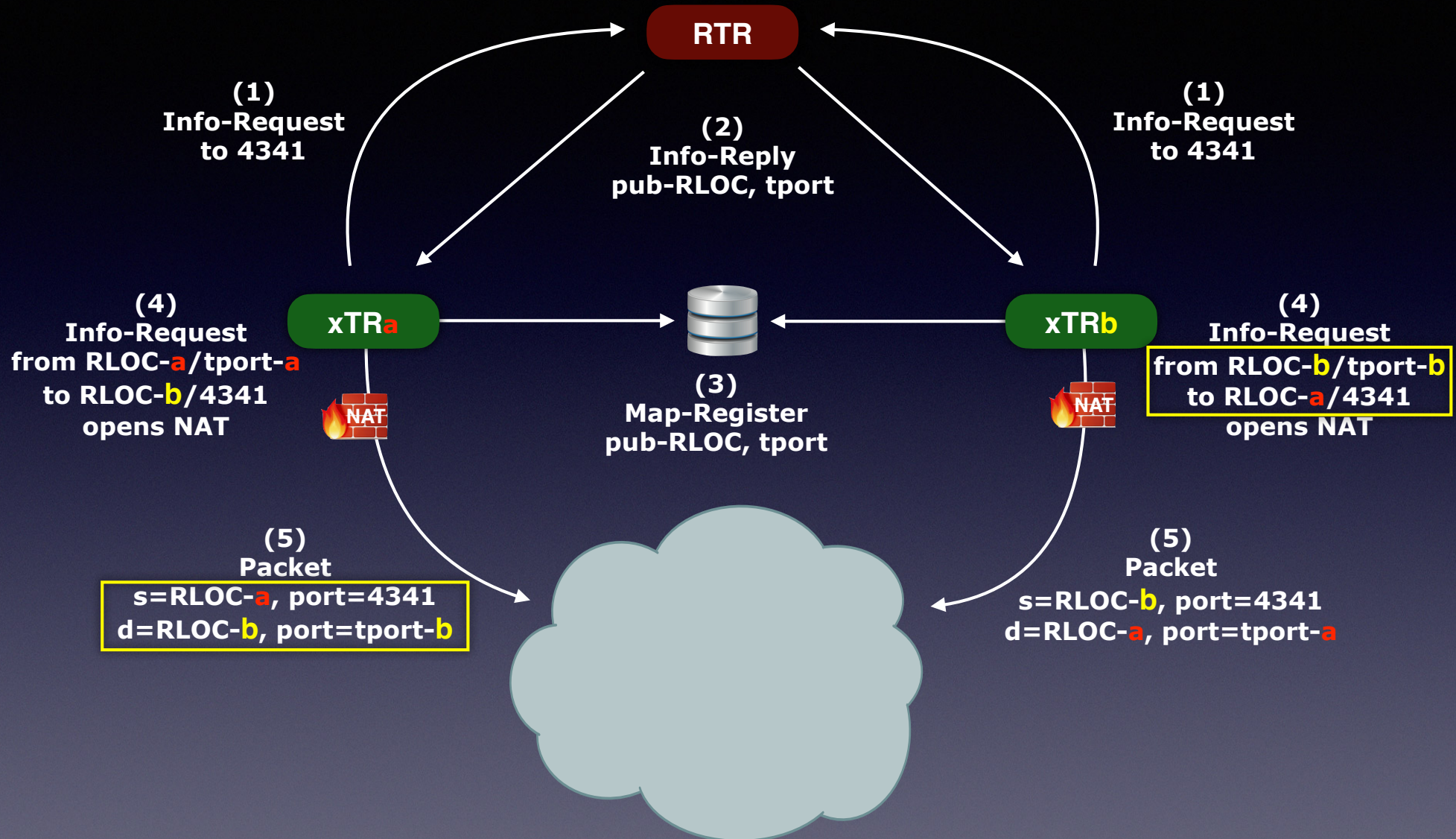**Problem**: map-cache population invokes (4) - but you must send before you can receive!
So a ping from **a** to **b** means **b** cannot respond

Solution: the RTR is also in the RLOC-set, so you can bootstrap this process through it