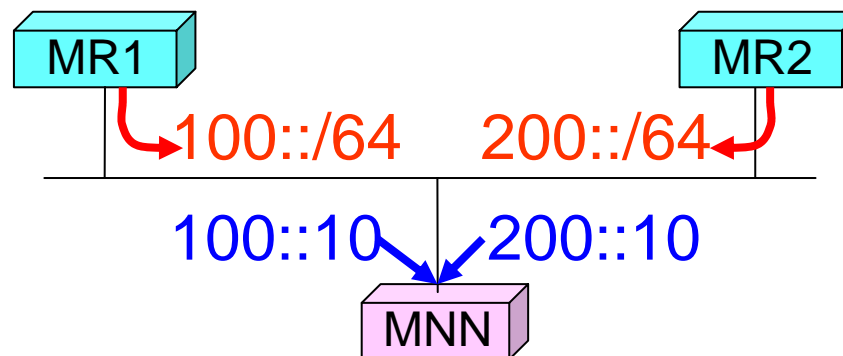


Token based Duplicate Network Detection for split mobile network draft-kumazawa-nemo-tbdnd-00.txt

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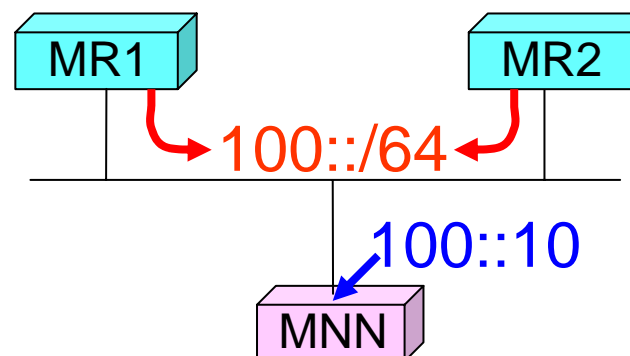
1. Why is $(n, *, 1)$ useful? (MR, HA, Prefix)

$(n, *, n)$: 1 prefix / MR



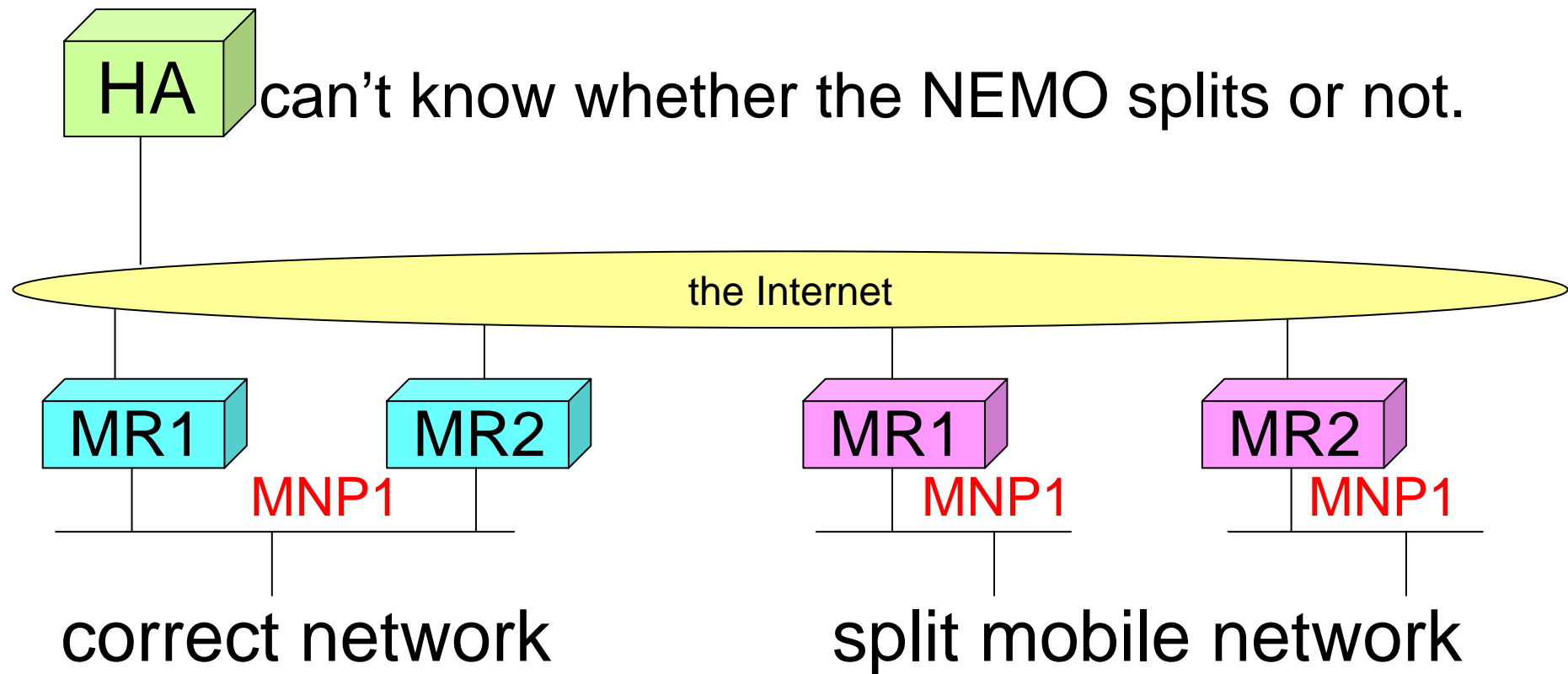
multihoming solution may be necessary for MNNs

$(n, *, 1)$: 1 prefix / NEMO



multihoming solution is not necessary for MNNs

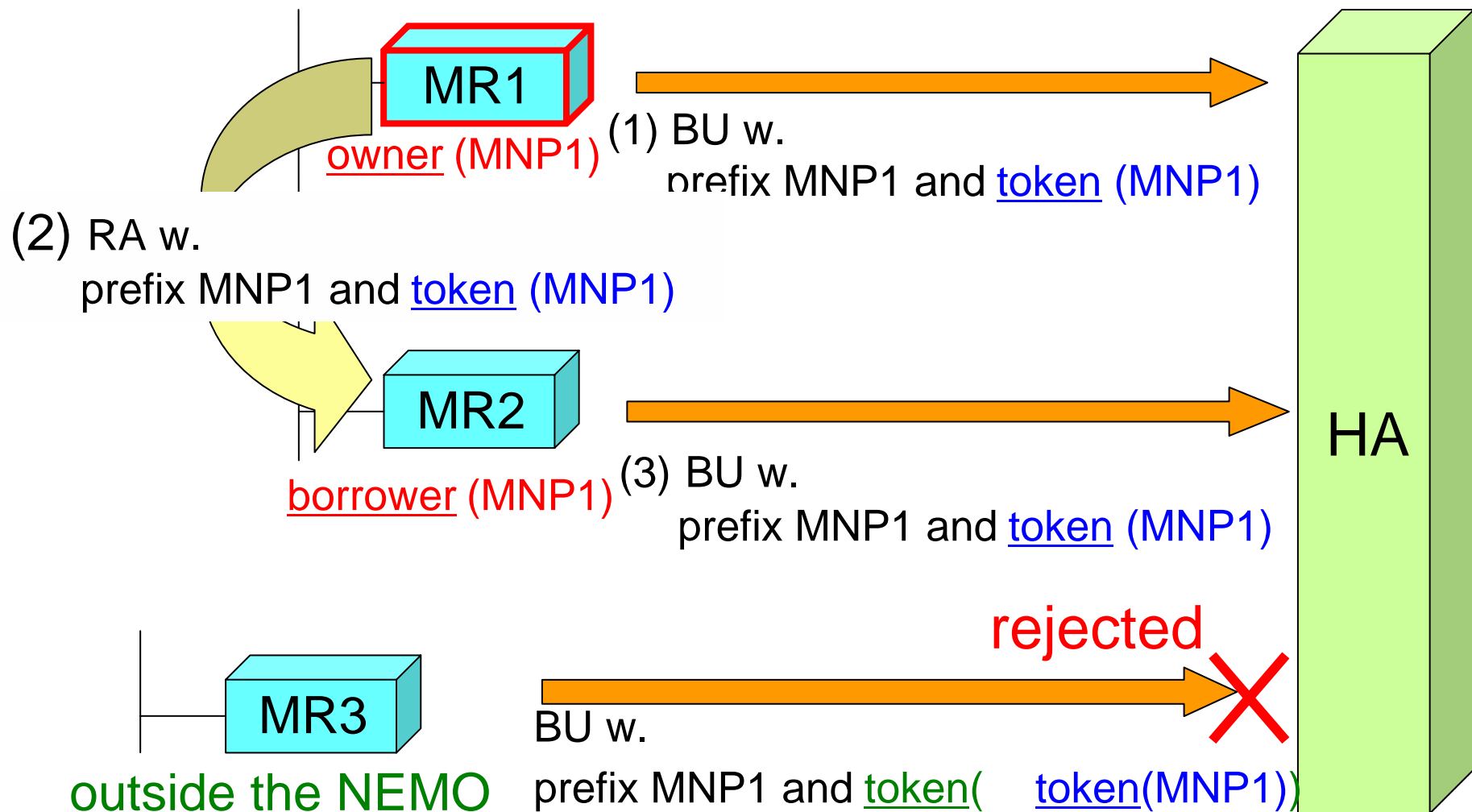
2. Problem of $(n, *, 1)$: split mobile network



Possible problems

- A User leaves a MR switched on at home.
- A rogue MR redirects packets.

3. Token based DND -basic idea



Token (MNP1) is generated and updated regularly by owner or HA.

4 Discussions in Working Group

- Issue 37:
 - “Assigning same MNP to different MRs”
 - $(N, *, 1)$ is simple and useful since it doesn't require host multihoming solutions.
 - However, it has problems when the NEMO splits.
 - Some solutions have been already proposed for DND test.
- Token based DND
 - Main advantage of Token based DND is “connection between MR1 (owner) and HA need not be active when MR2 (borrower) wants to support the same prefix.”