



# 802.17 presentations

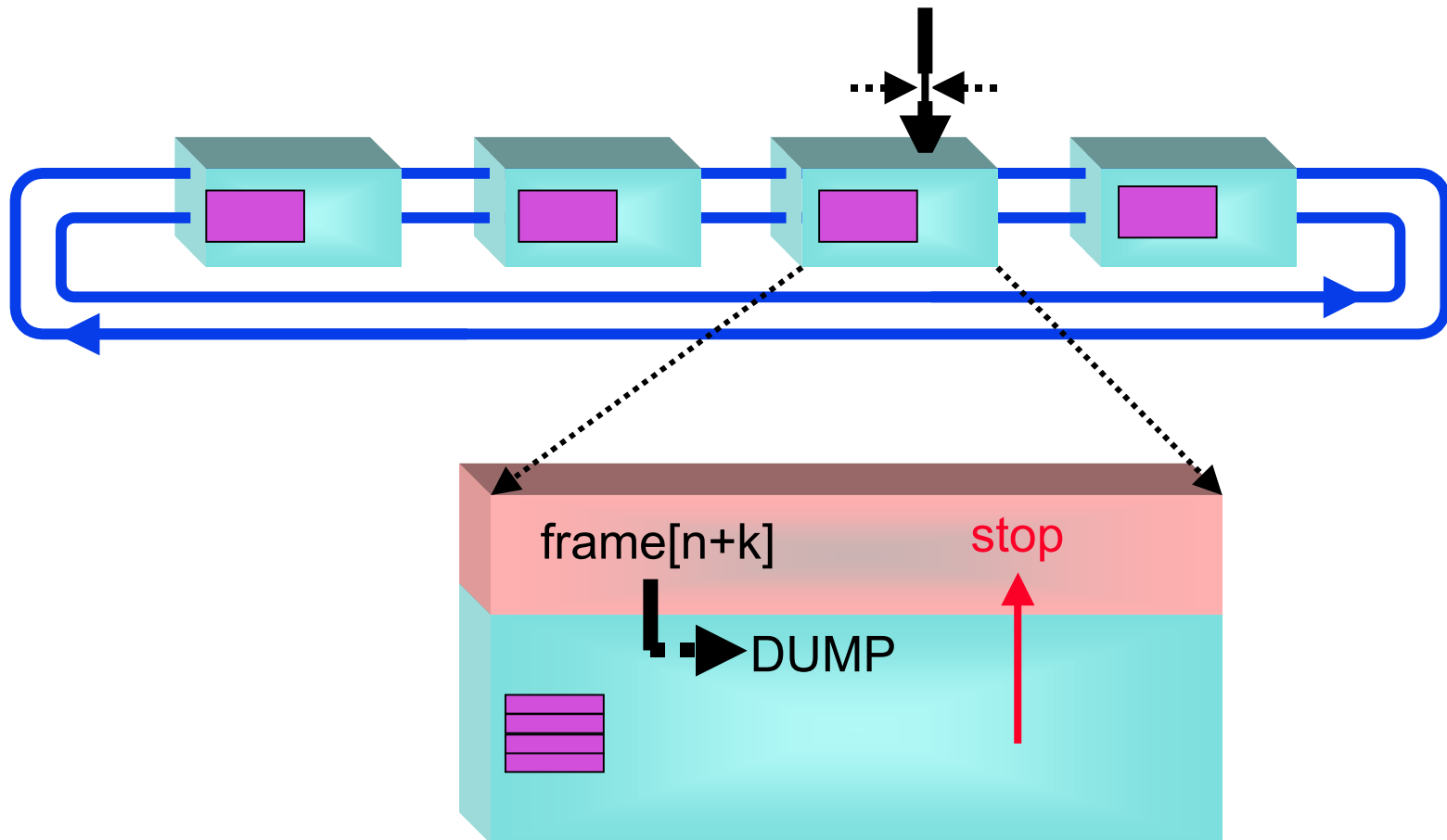
- Prepared for 802.17, March 2002
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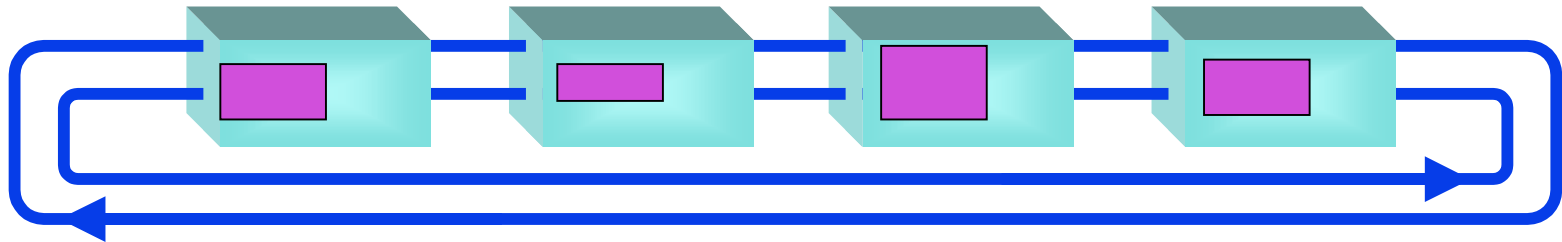
# Setting bandwidths



# Negotiated bandwidths



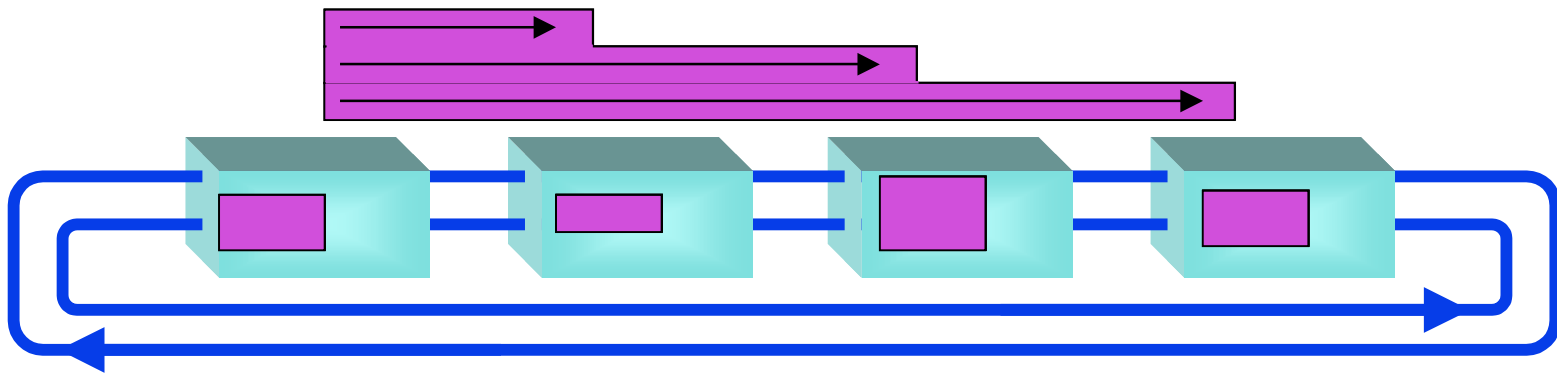
## Bandwidth negotiations



- **Sum of bandwidths < link capacity**
- **Independent accounts**
  - class-A0 and class-A1 rates
  - class-B rates
  - class-C weightings
- **Accounts are distance dependent**



## Distance-dependent accounts

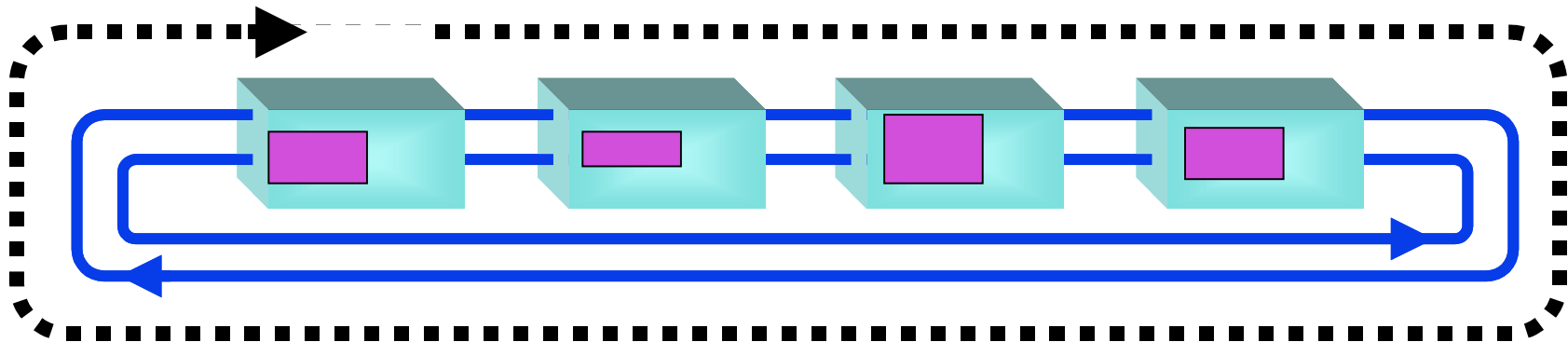


- **BW accounts have spatial dependencies**
- **Available BW has monotonic decrease**



## Allocation update sequence

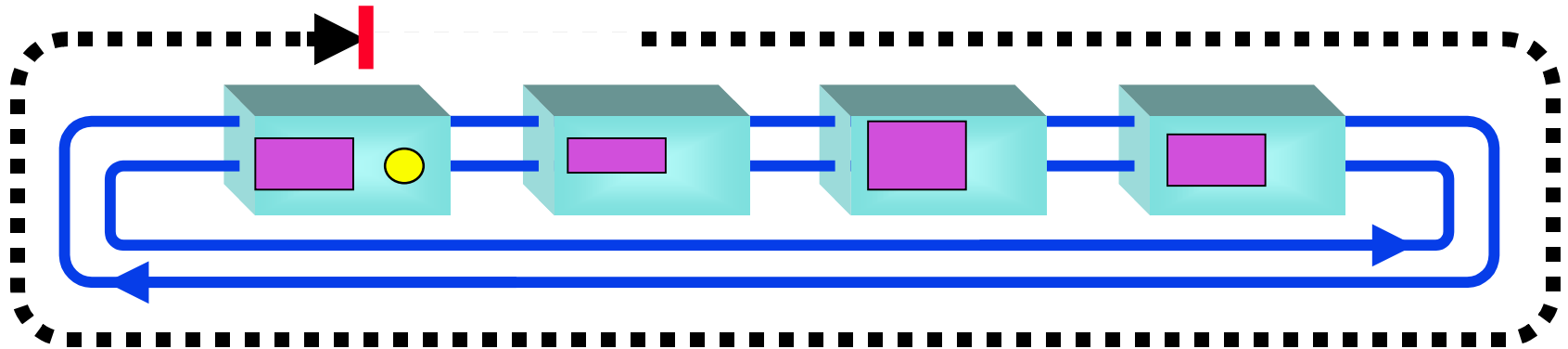
3) Distribute revised accounts



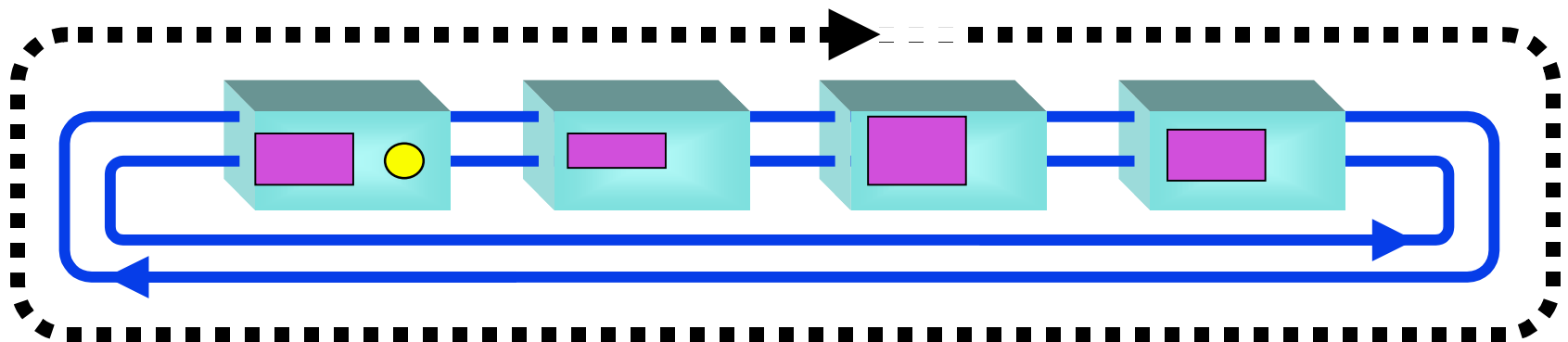


## Concurrent conflicts

$\text{in.source} < \text{me.source}$



$\text{in.source} > \text{me.source}$



# **BW allocation conclusions**

- **BW allocation is necessary to ensure consistency**
- **BW allocation should include spatial reuse**
  - Worst-cast hop-count OK for simple stations**
- **No central tables are required**
- **MAC-identifier suffices for tie resolution**
- **Some error-recovery details may be necessary**
- **We need philosophy, not technical, agreement.**  
**(sufficient detail exists for first-round inclusion)**