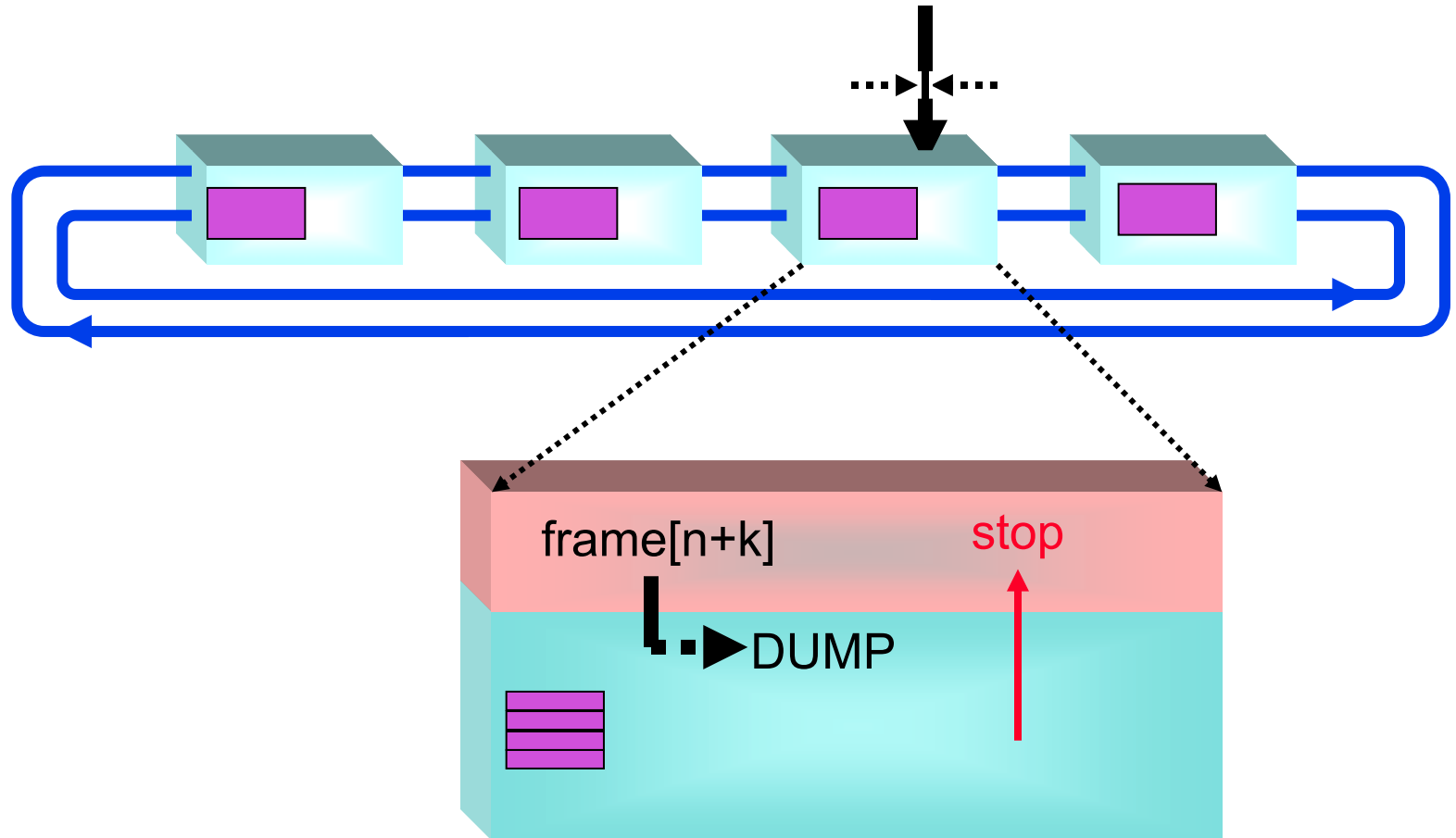


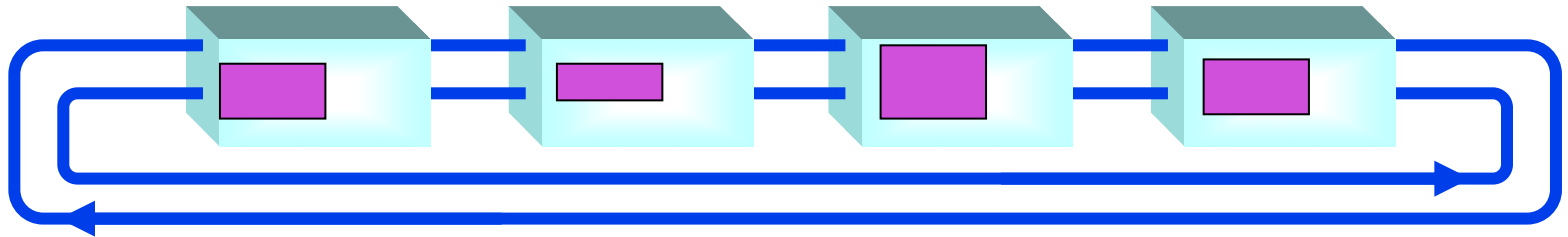
RPR bandwidth allocations

- Prepared for 802.17, Nov 2002
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Negotiated bandwidths

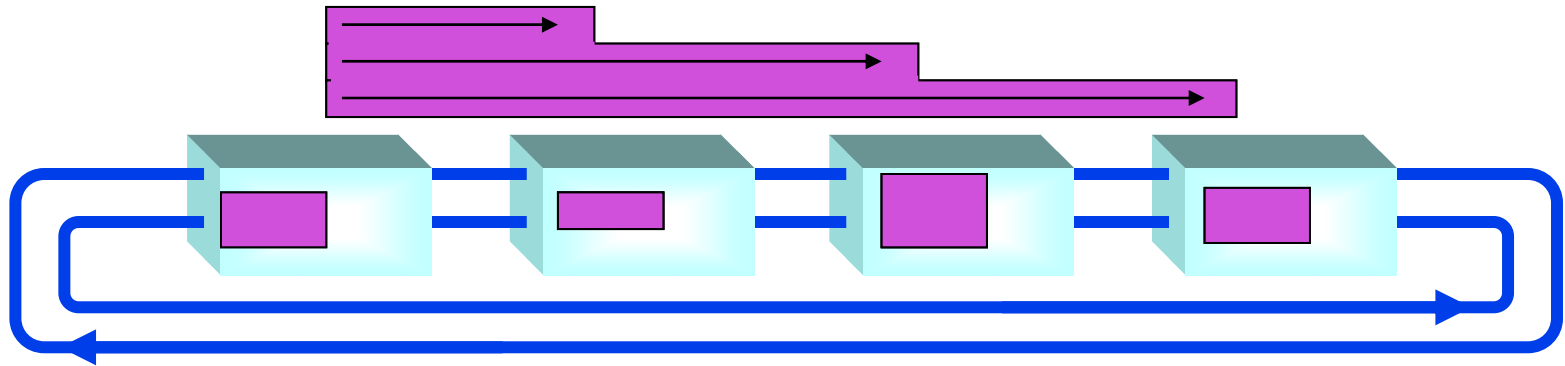


Bandwidth negotiations



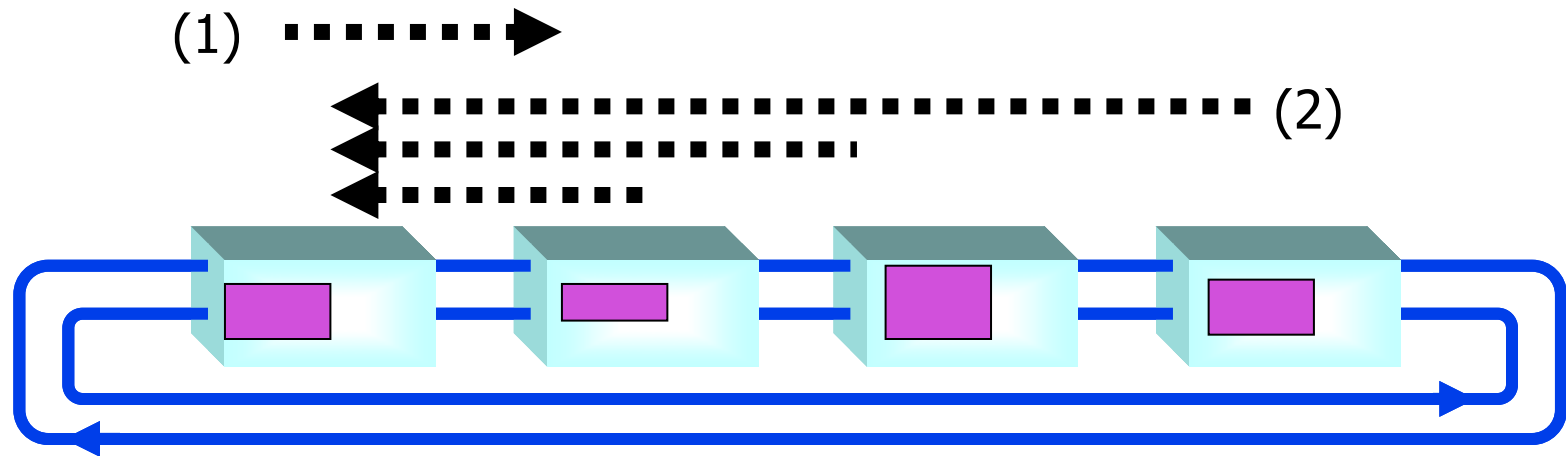
- **Sum of bandwidths < link capacity**
- **Independent accounts**
 - **class-A0 and class-A1 rates**
 - **class-B rates**
 - **class-C weightings**
- **Accounts are distance dependent**

Distance-dependent accounts



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

Allocation update sequence



- 1) Delta: add/sub these values
- 2) Acknowledge this change

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**
- **Can leverage the protection techniques**
 - But, would use distinct frames**

RPR fairness

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RPR bandwidth allocations

