

802.17 presentations

○ **Prepared for 802.17, March 2003**

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Time-to-live checks

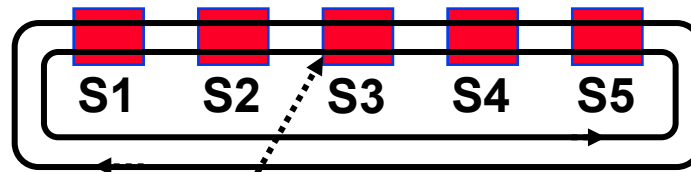
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Time-to-live rationale

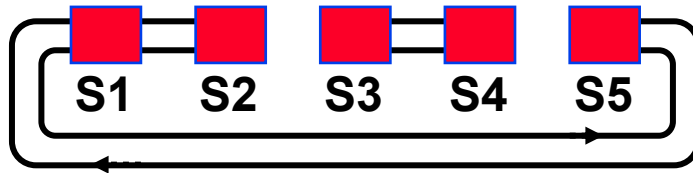
- **Uniform aging protocol**
 - **Still supports 255 stations**
- **Simplified strip rules**
 - **No topology-database dependency**
 - **Deadlock eliminated**
 - **Less wrap-invoked discards**
- **Detailed test**
 - **dvjClause06TimeToLive03.pdf**

Time-to-live checks

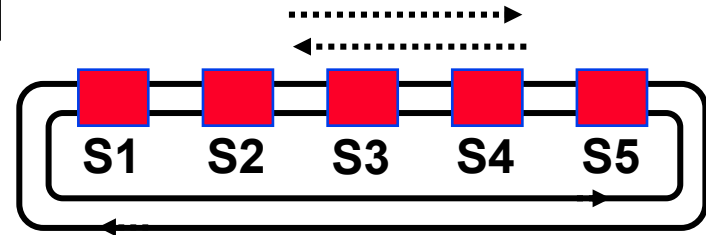


```
// (b) Return-wrap processing
if (frame.ri!=port.ri&&frame.ae==0&&frame.timeToLive==1)
{
    frame.ttl= stations;
    frame.ae= 1;
}
if ((frame.timeToLive-= 1)==0)
    discard= 1;
```

Timing hazard...



1) Separate segments



2) Joined segments
appear to be “wrapped”
actually is a loop