

Heartbeating

- Optimal L is independent of N (!)
- All-to-all and gossip-based: sub-optimal
 - $L=O(N/T)$
 - try to achieve simultaneous detection at *all* processes
 - fail to distinguish *Failure Detection* and *Dissemination* components

⇒ Can we reach this bound?

⇒ Key:

- Separate the two components
- Use a non heartbeat-based Failure Detection Component