Kelips Soft State

- Membership lists
  - Gossip-based membership
  - Within each affinity group
  - And also across affinity groups
  - $O(log(N))$ dissemination time

- File metadata
  - Needs to be periodically refreshed from source node
  - Times out

- PennyLane.mp3 hashes to k-1
- Everyone in this group stores <PennyLane.mp3, who-has-file>

15

76

160

18

129

167

30

Affinity Group # 0   # 1   . . .   # k-1