

Kelips Lookup

- Lookup
 - Find file affinity group
 - Go to your contact for the file affinity group
 - Failing that try another of your neighbors to find a contact
- Lookup = 1 hop (or a few)
 - Memory cost $O(\sqrt{N})$
 - 1.93 MB for 100K nodes, 10M files
 - Fits in RAM of most workstations/laptops today (COTS machines)

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

