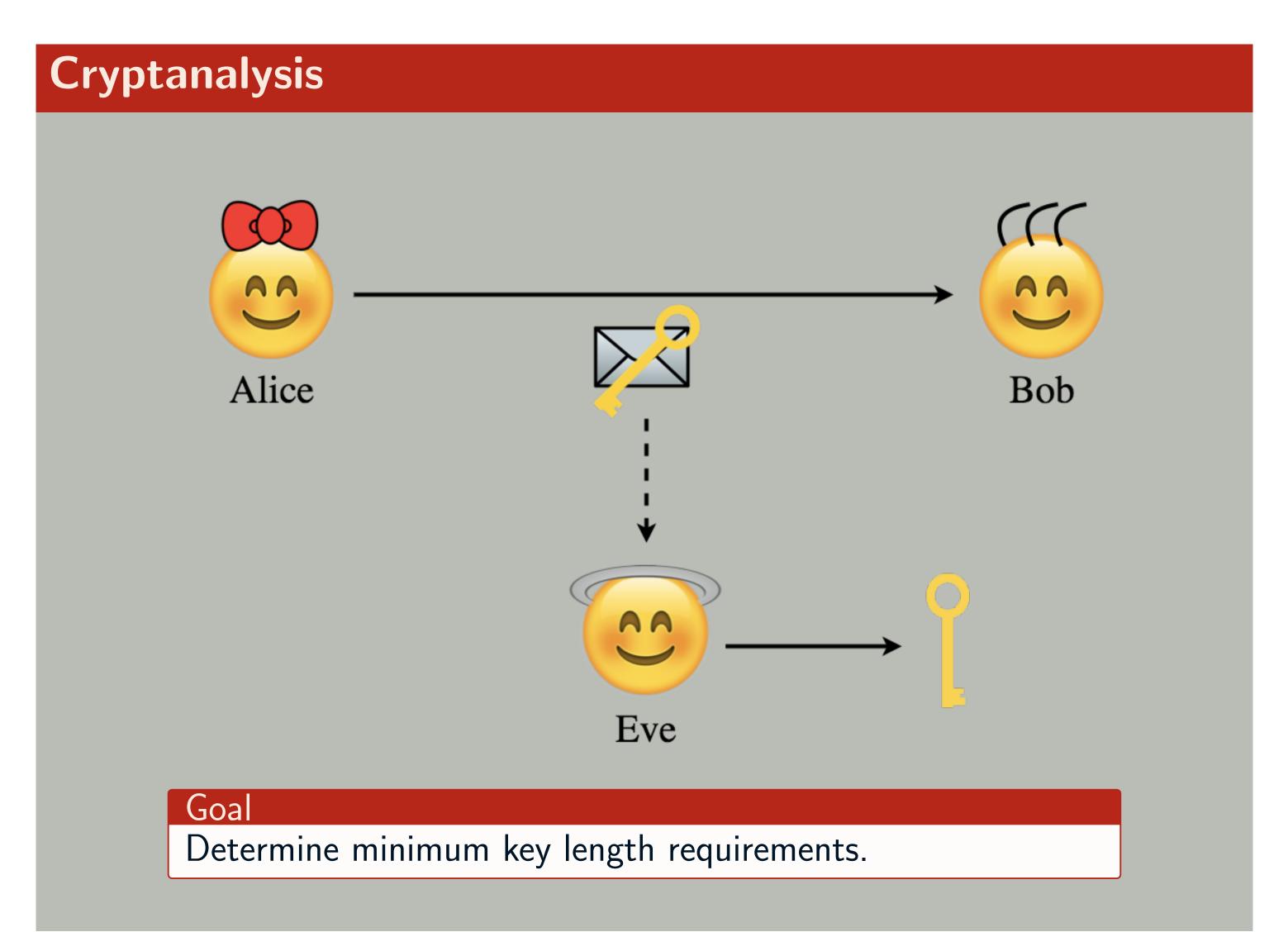
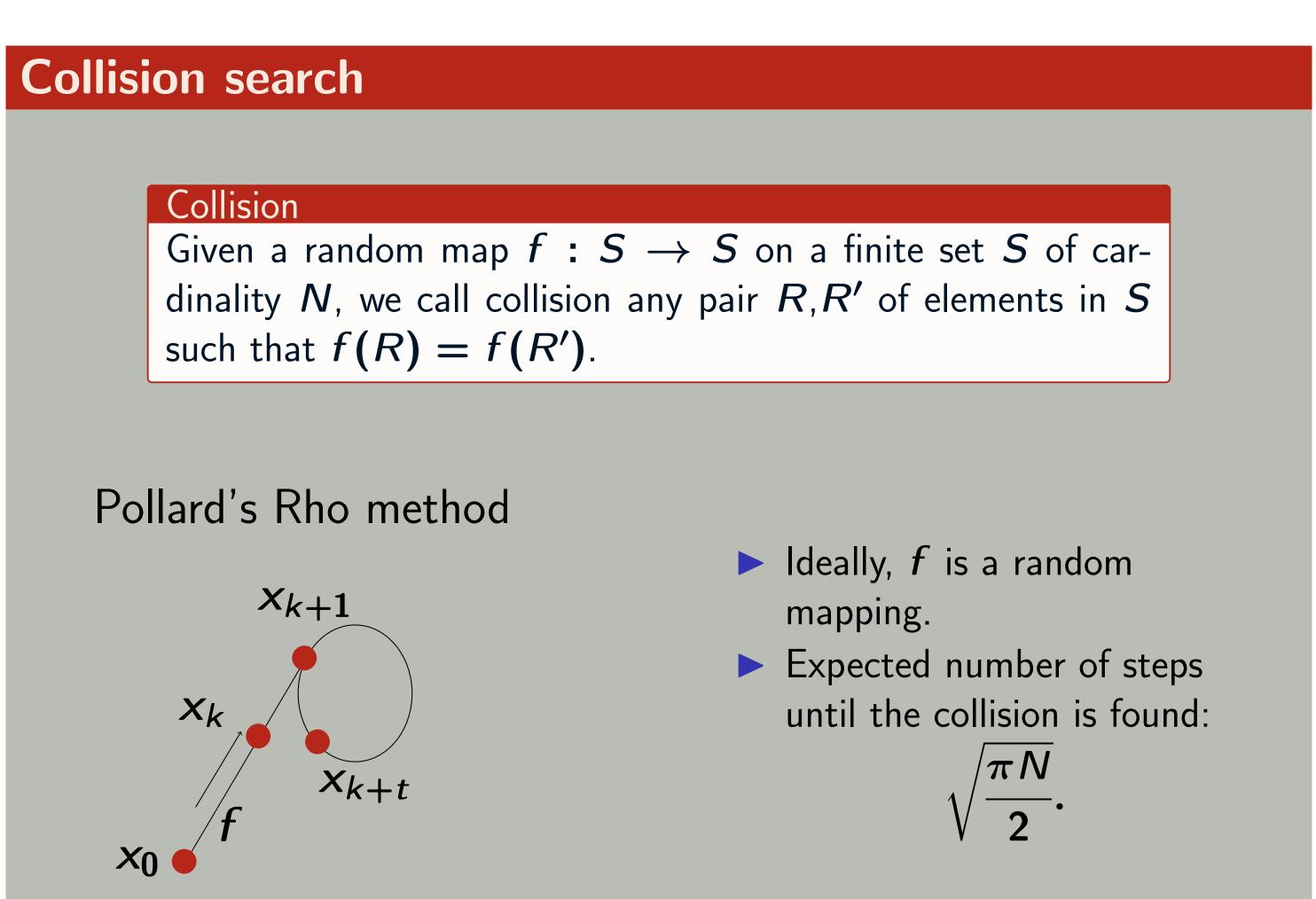
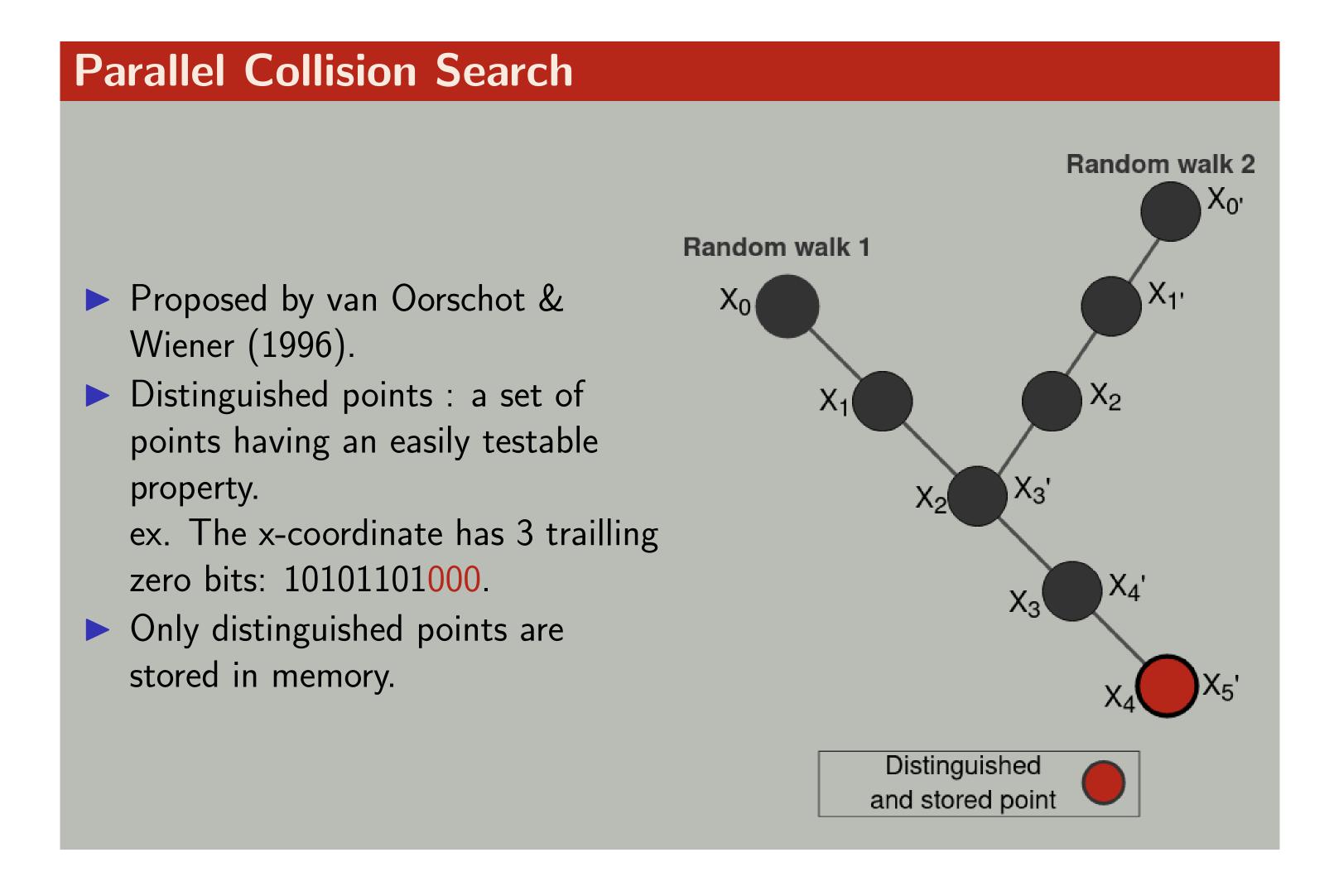


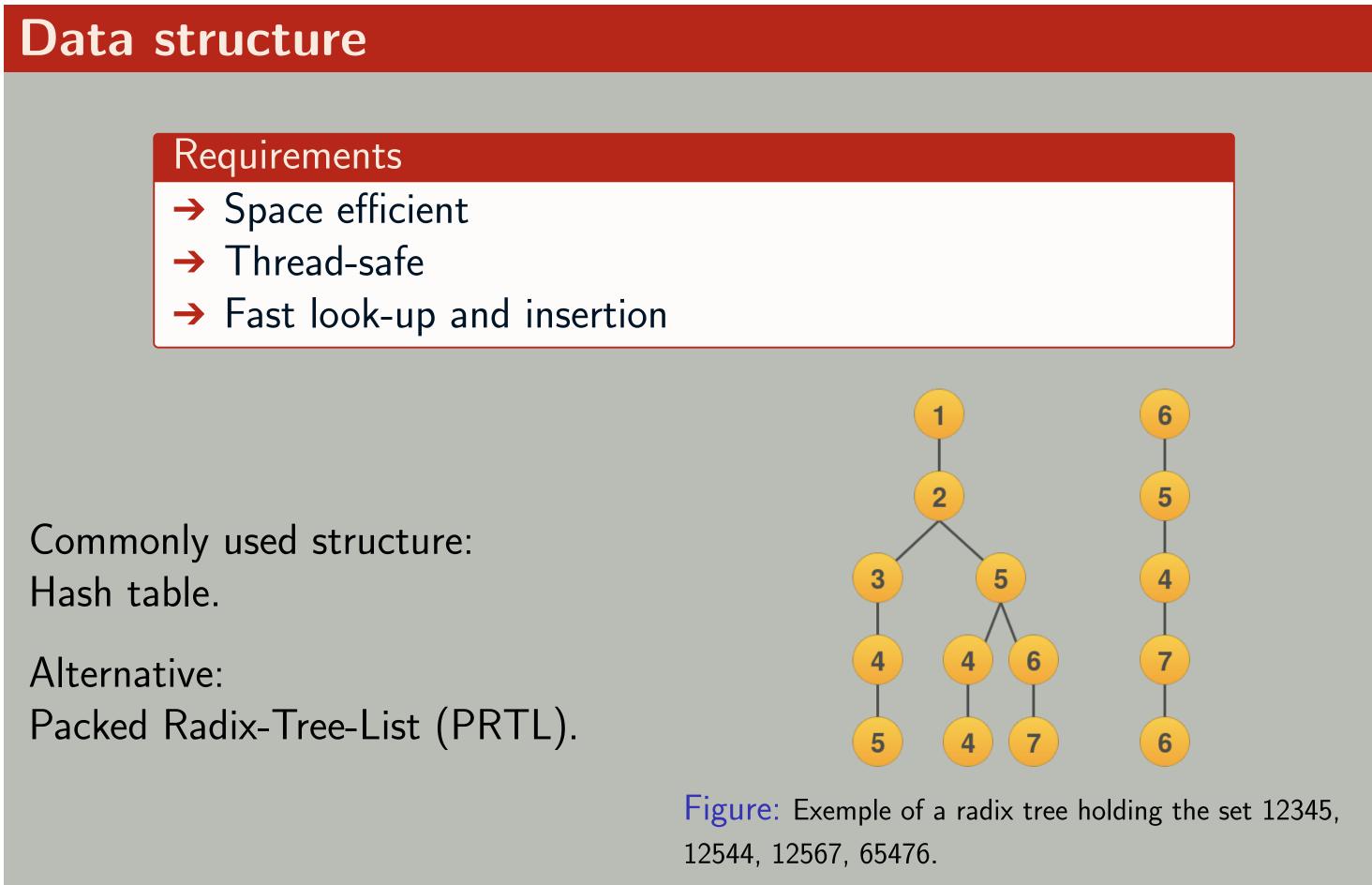
Time-Memory Analysis of Parallel Collision Search Algorithms

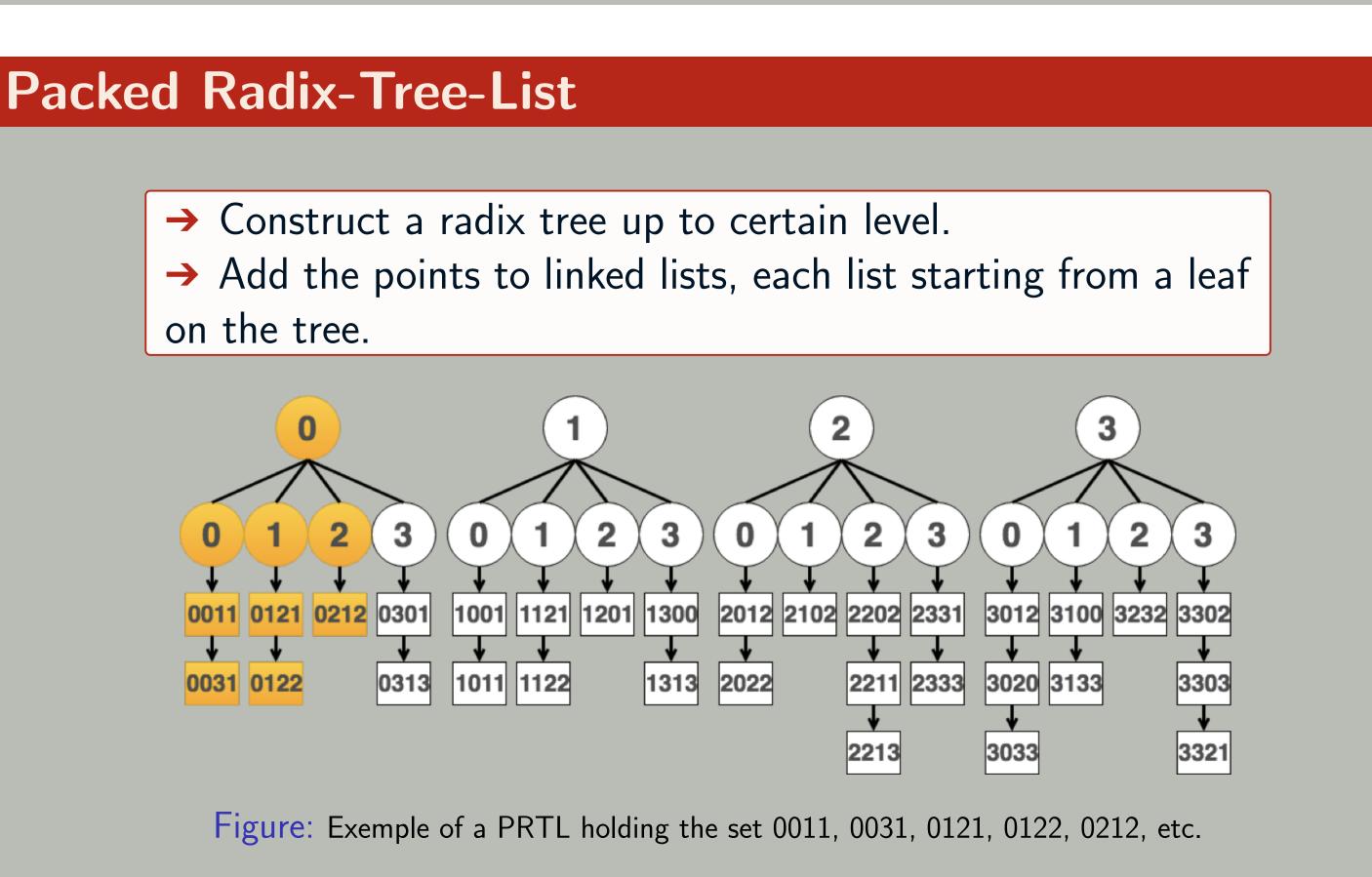
Monika Trimoska

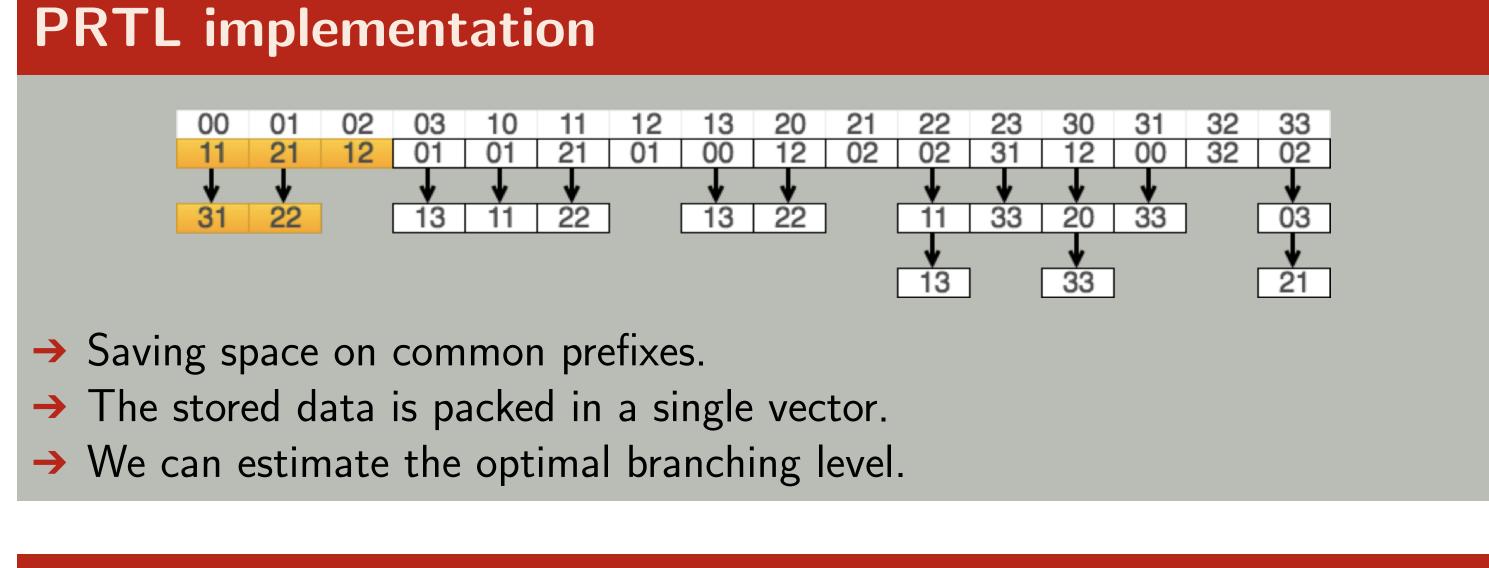












Collision search applications

One collision application

► (Elliptic Curve) Discrete Logarithm Problem.

Multi-collision applications

- ► Attack on the 3-DES with three independent keys.
- ► (EC)DLP in the multi-user setting.
- ► Computational Supersingular Isogeny Problem.

Joint work with Gilles Dequen and Sorina Ionica