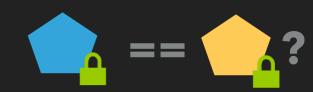
COMPARE DATA



Problem: Securely compare two data items

Solution: Normalise & hash data, compare hashes

1 - Normalize

E.g. J. EDGAR HOOVER

HOOVER, JOHN EDGAR

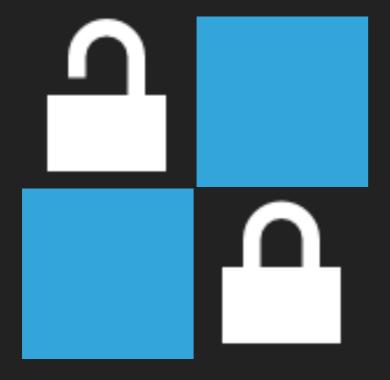
* H160, J500 E326

2 - Hash

Use *hash(salt + data)* to prevent precomputing attacks. Use multiple iterations of hashing.

- public salt => treat hash as pseudonymised
- secret salt => treat hash as anonymised

^{*}Soundex - but choose whatever normalisation works for you





PATTERNS

TRANSPARENT ENCRYPTION