Decoding Algorithm

```
Watermarked          Pick Pairs of          Integer
Database      ──▶     Tuples         ──▶     Averages
                                             Differences

                          Location Map        Restoration
                                              Information

Embedded bit  ──▶    Original          ──▶   Original Database
                     Differences

Extracted Hash ──── Authenticate ────▶        Hash
```

- Watermarked Database
- Pick Pairs of Tuples
- Integer Averages
- Differences
- Location Map
- Restoration Information
- Embedded bit
- Original Differences
- Original Database
- Extracted Hash
- Authenticate
- Hash