# Hashing Lab 1a: Data Structures

## Linear Quotient Hashing (Array of 13 Elements)

|  |  |
| --- | --- |
| Index | Value |
| 0 | 13 |
| 1 | 27 |
| 2 | 26 |
| 3 | 109 |
| 4 |  |
| 5 | 53 |
| 6 | 49 |
| 7 |  |
| 8 | 138 |
| 9 |  |
| 10 | 10 |
| 11 | 174 |
| 12 | 24 |

## 1B: Bucket Hashing (Array of 10 Buckets)

|  |  |
| --- | --- |
| Index | Bucket |
| 0 | [10] |
| 1 |  |
| 2 |  |
| 3 | [53, 13] |
| 4 | [174, 24] |
| 5 |  |
| 6 | [26] |
| 7 | [27] |
| 8 | [138] |
| 9 | [109, 49] |

# Hashing Lab 2: Comparison Table

|  |  |  |
| --- | --- | --- |
| Key | LQ Comparisons | Bucket Comparisons |
| 53 | 2 | 1 |
| 138 | 1 | 1 |
| 109 | 3 | 1 |
| 49 | 4 | 2 |
| 174 | 2 | 1 |
| 26 | 2 | 1 |