Inclass 4 – Jason Lopez

1.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 860 | 751 |  | 123  423 | 724  144 |  |  |  |  | 439  9  109 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9  109 | 0 | 123  423  724 | 439 | 144 | 751 | 860 | 0 | 0 | 0 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | 144  123  109 |  |  | 439  423 |  |  | 751  724 | 860 | 0 |

2.

[None, 6]

[None,2,6]

[None,2,6,7]

[None,2,4,7,6]

[None,4,6,7]

[None,4,5,7,6]

[None,4,5,7,6,9]

[None,5,6,7,9]

[None,3,5,7,9,6]

[None,1,5,3,9,6,7]

[None,3,5,7,9,6]

3.

4. LSD is faster than MSD when there is a fixed length, MSD can be faster on varied length since it wouldn’t need to iterate through all of the digits since it starts with the most significant.