**Bloom Filter**

3, 6, 8, 9, 10, 3, 8, 9, 8

Before

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

1 2 3 4 5 6 7 8 9 10

After

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |

1 2 3 4 5 6 7 8 9 10

6, 7 ,2, 1 ,3

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |

1 2 3 4 5 6 7 8 9 10