Deleting from Counting Bloom filter:

a) Initial state:

|  |  |  |  |
| --- | --- | --- | --- |
| 0011 | 0001 | … … | 0000 |

b) Deleting ‘x’: Calculate SHA1(x) and slice it into 8 parts (k = 8) and decrement the 4 – bit counters and reset corresponding bits in the bit array if counter = 0.

|  |  |  |  |
| --- | --- | --- | --- |
| 0010 | 0000 | … … | 0000 |