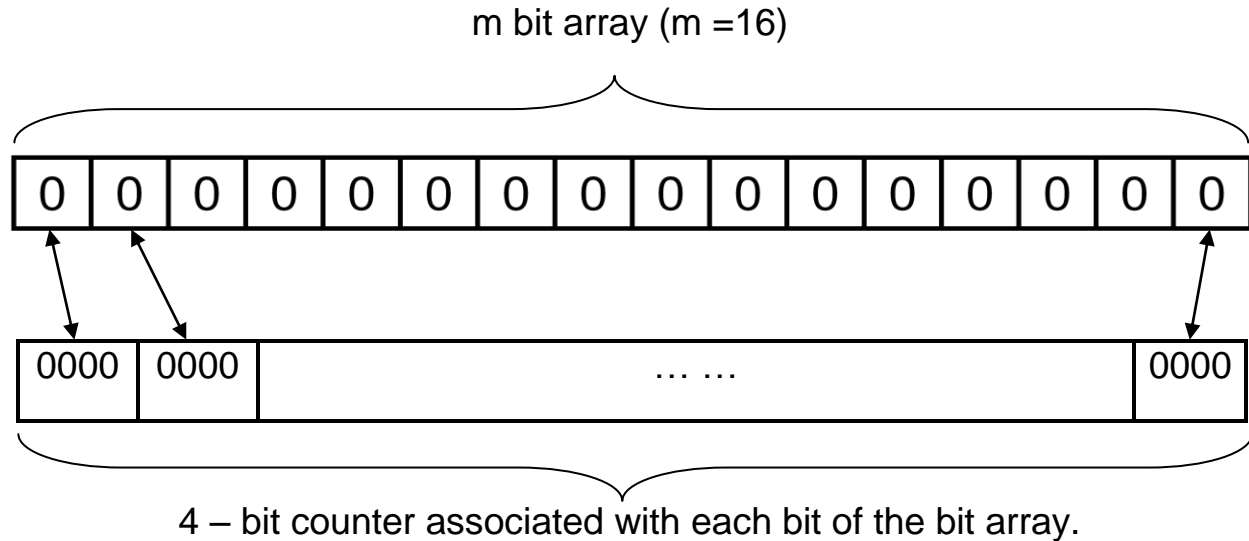


## Inserting into Counting Bloom filter:

a) Initial state:



b) Inserting 'x': Calculate SHA1(x) and slice it into 8 parts ( $k = 8$ ) and set corresponding bits in the bit array, if not already set and increment 4 - bit counters.

