



CLASSE BLOOM FILTER

class BloomFilter:

method INITIALIZE(m, k):

array BF = new BitSet(m)

method INITIALIZE(m, k, bfs):

array BF = new BitSet(m)

for bf in bfs:

array BF.or(bf)

```

method ADD(t:tbl):
  for i in (0, K-1):
    index = HASH(t:tbl, i) % m
    array BF[index] = 1

```

```

method FIND(t:tbl):
  for i in (0, K-1):
    index = HASH(t:tbl, i) % m
    if (array BF[index] == 0)
      return FALSE
  return TRUE

```

