Operations：

Insert: O(1);

Delete: O(1);

Find: O(1);

Collision:

OpenHashing(LinkedList)

Closed Hashing(Array)

HAShFunction:

Int hashfunction(String key) {

//do sth to key

// return a deterministic integer number

Return md5(key) % hash\_table\_size;

//不推荐，用于加密 耗时长

}

Int hashfunc(String key) {

Int sum = 0;

For (int I = 0; I < key.length(); i++) {

Sum = sum \* 33 + (int)(key.charAt(i));

Sum = sum % HSH\_TABLE\_SIZE;

}

Return sym;

}

Hashset 相当于 true or false（1 或0） 的hashset， hashtaple 相当于在hashmap上加锁，确保线程安全