Informally...

```java
boolean put(key, value)
{
    hashcode = hash(key)
    bucketnum = hashcode % bucketcount
    if (the bucket at index bucketnum contains a binding with the given key)
        return FALSE
    insert a new binding containing key and value into that bucket
    return TRUE
}

value get(key)
{
    hashcode = hash(key)
    bucketnum = hashcode % bucketcount
    if (the bucket at index bucketnum contains a binding with the given key)
        return that binding’s value
    return NULL
}

boolean remove(key)
{
    hashcode = hash(key)
    bucketnum = hashcode % bucketcount
    if (the bucket at index bucketnum contains a binding with the given key)
        remove that binding from that bucket
    return TRUE
    return FALSE
}
```

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