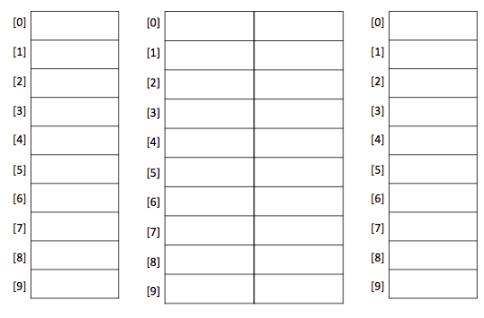
Given the following values, hash function, and rehash function complete the following questions. You can assume that when the 2 wide bucket is full, it rehashes the column vertically.

```
int[] list; // Hashtable
int hash(int idNum) {
    return (idNum % 10);
}
int rehash(int location) {
    while(list[location] != null) {
        location = (location+1) % 10;
        }
        return location;
}
// Insert numbers in the following order, 4500, 3, 1200, 1201, 3609, 3606, 3709, 505, 1
```



(a) Linear Probing

(b) 2 wide Buckets

(c) Chaining