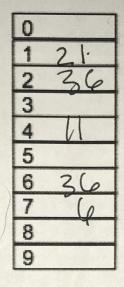
## 3 Secondary Hashing

Consider the following table which inserts values using secondary hashing with a primary hash function h(k) = k%10 and a secondary hash function g(k) = 7 - (k%7). Insert the following values: 21, 36, 36, 11, 6 into the hashtable



1. Give a single integer that, when we attempt to insert it into the table results in an infinite loop.

2. Is there any way we can avoid double-hashing resulting in an infinite loop? Explain your answer.