

(Example of closed hashing)

# Collision Handling: Double hashing

$S = \{ 16, 8, 4, 13, 29, 11, 22 \}$        $|S| = n$

$h(k) = k \% 7$

$|Array| = N$

0	
1	
2	
3	
4	
5	
6	

Try  $h(k) = (k + 0 * h_2(k)) \% 7$ , if full...

Try  $h(k) = (k + 1 * h_2(k)) \% 7$ , if full...

Try  $h(k) = (k + 2 * h_2(k)) \% 7$ , if full...

Try ...

$h(k, i) = (h_1(k) + i * h_2(k)) \% 7$