

# Collision Handling: Quadratic Probing

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

$h(k) = k \% 7$

$|\text{Array}| = m$

0	
1	8
2	16
3	
4	4
5	
6	13

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

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

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

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

Try ...