

Collision Handling: Double Hashing

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

$$h_1(k) = k \% 7$$

$$|\text{Array}| = m$$

$$h_2(k) = 5 - (k \% 5)$$

0	
1	8
2	16
3	
4	4
5	
6	13

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

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 ...