

## Secondary Hash:

### Rehashing:

$$5 \text{ (collision at 4)} \Rightarrow (4 + 1 \times 5) \% 13 = 9$$

$$0 \text{ (collision at 0)} \Rightarrow (0 + 1 \times 1) \% 13 = 1$$

(0  $\rightarrow$  infinite loop  $\Rightarrow$  default to 1)

$$42 \text{ (collision at 10)} \Rightarrow (10 + 1 \times 24) \% 13 = \cancel{8}$$

$$(10 + 2 \times 24) \% 13 = \cancel{10}$$

$$(10 + 3 \times 24) \% 13 = \cancel{4}$$

$$(10 + 4 \times 24) \% 13 = \cancel{2}$$

$$(10 + 5 \times 24) \% 13 = \cancel{0} \Rightarrow \text{REHASH}$$

Before Home	Key
0	25, 0
1	
2	21
3	33
4	14, 5
5	
6	107
7	9, 24
8	6
9	
10	3, 42
11	
12	7

Final Home	Key
0	25
1	0
2	21
3	33
4	14
5	
6	107
7	9
8	6
9	5
10	3
11	
12	7

$\Rightarrow$  TABLE MOSTLY  
FULL

$M = 29$  (Next prime after 26)