

Open addressing with linear probing

Open addressing with quadratic probing

$$22 \mod 17 = 5$$

39 mod
$$17 = 5 \Rightarrow 5 + 1^2 = 6 \Rightarrow 5 + 2^2 = 9$$

40 mod
$$17 = 6 \Rightarrow 6 + 1^2 = 7 \Rightarrow 6 + 2^2 = 10$$

26 mod
$$17 = 9 \Rightarrow 9 + 1^2 = 10 \Rightarrow 9 + 2^2 = 13$$

41 mod
$$17 = 7 = 7 + 1^2 = 8$$

43 mod
$$17 = 9 \Rightarrow 9 + 1^2 = 10 \Rightarrow 9 + 2^2 = 13 \Rightarrow 9 + 3^2 = 18$$

$$= 9 + 5^2 = 34$$

Separate Chaining

٥	26
1	43
2	1.5
3	
4	
	20
5	22
6	23
7	24
8	41
9	39
10	40.
11	11(
12	
13	26
14	
15	
16	

