

(c) Double Hashing.

44	92	12	36	26	5	59	40	80	42	60
0	1	2	3	4	5	6	7	8	9	10

$$26 \% 11 = 4$$

$$42 \% 11 = 9$$

$$5 \% 11 = 5$$

$$44 \% 11 = 0$$

$$92 \left\{ \begin{array}{l} 92 \% 11 = 4 (C) \\ (92 \times 2) \% 11 = 8 \\ (4+8) \% 11 = 1 \end{array} \right.$$

$$\left\{ \begin{array}{l} 59 \% 11 = 4 (C) \\ (59 \times 2) \% 11 = 8 \\ (4+8) \% 11 = 1 (C) \\ (1+8) \% 11 = 9 (C) \\ (9+8) \% 11 = 6 \end{array} \right.$$

$$40 \% 11 = 7$$

$$36 \% 11 = 3$$

$$12 \left\{ \begin{array}{l} 12 \% 11 = 1 (C) \\ (12 \times 2) \% 11 = 2 \\ (1+2) \% 11 = 3 (C) \\ (3+2) \% 11 = 5 (C) \\ (5+2) \% 11 = 7 (C) \\ (7+2) \% 11 = 9 (C) \\ (9+2) \% 11 = 0 \\ (0+2) \% 11 = 2 \end{array} \right.$$

$$60 \% 11 = 5 (C)$$

$$(60 \times 2) \% 11 = 10$$

$$(10+5) \% 11 = 4 (C)$$

$$(4+10) \% 11 = 3 (C)$$

$$(3+10) \% 11 = 2 (C)$$

$$(2+10) \% 11 = 1 (C)$$

$$(1+10) \% 11 = 0 (C)$$

$$(0+10) \% 11 = 10$$

up

C # collision

$$80 \left\{ \begin{array}{l} 80 \% 11 = 3 \\ (80 \times 2) \% 11 = 6 \\ (3+6) \% 11 = 9 (C) \\ (9+6) \% 11 = 4 (C) \\ (4+6) \% 11 = 10 (C) \\ (10+6) \% 11 = 5 (C) \\ (5+6) \% 11 = 0 (C) \\ (0+6) \% 11 = 6 (C) \\ (6+6) \% 11 = 1 (C) \\ (1+6) \% 11 = 7 (C) \\ (7+6) \% 11 = 2 (C) \\ (2+6) \% 11 = 8 \end{array} \right.$$