Hash - Based Technique.

$C_2 \Rightarrow$
$\{I_1, I_2\} = 4$ $\{I_1, I_4\} = 1$
$\{I_1, I_3\} = 4$ $\{I_3, I_5\} = 1$
$\{I_1, I_5\} = 2$ ~~$\{I_4, I_5\}$~~
$\{I_2, I_3\} = 4$ $\{I_3, I_4\} = 0$
$\{I_2, I_4\} = 2$ $\{I_4, I_5\} = 0$
$\{I_2, I_5\} = 2$

$$\text{Hash Function} = h(x, y) = \{(\text{order of } x) \times 10 + (\text{order of } y)\} \mod 7$$

For $\{I_1, I_2\}$ $x = 1 ; y = 2.$

$$h(1, 2) = (10 + 2) \mod 7 = 5$$

$\{I_1, I_3\} \Rightarrow h(1, 3) = (10 + 3) \mod 7 = 6$

for $\{I_1, I_5\} \Rightarrow$

$h(1,5) = (10+5) \bmod 7 = 1$

for $\{I_2, I_3\} \Rightarrow$

$h(2,3) = (20+3) \bmod 7 = 2$

for $\{I_2, I_4\} \Rightarrow$

$h(2,4) = (20+4) \bmod 7 = 3$

for $\{I_2, I_5\} \Rightarrow$

$h(2,5) = (20+5) \bmod 7 = 4$

for $\{I_1, I_4\} \Rightarrow h(1,4) = 0$; $h(3,5) = 0$

Bucket Address	0	1	2	3	4	5	6
Bucket contents	$\{I_1, I_4\}$ $\{I_3, I_5\}$	$\{I_1, I_5\}$ $\{I_1, I_5\}$	$\{2,3\}$ $\{2,3\}$ $\{2,3\}$ $\{2,3\}$	$\{2,4\}$ $\{2,4\}$	$\{2,5\}$ $\{2,5\}$	$\{I_1, I_2\}$ $\{I_1, I_2\}$ $\{I_1, I_2\}$ $\{I_1, I_2\}$	$\{1,3\}$ $\{1,3\}$ $\{1,3\}$ $\{1,3\}$
Bucket count	2	2	4	2	2	4	4