



Course Name & Section A.P

Date _____

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72, 86, 71, 52, 53, 17

$$t_1 = h_1(\text{key} \% t_size) \rightarrow \text{key} \% 8 \quad (t_size = 8)$$

$T_1 \Rightarrow$

0	1	2	3	4	5	6	7
72	17			52	53	86	71

Empty Empty

Better
 $\Rightarrow \checkmark$

$$t_2 = h_2(\text{reverse} \% t_size)$$

27, 68, 17, 25, 35, 71

$T_2 \Rightarrow$

0	1	2	3	4	5	6	7
Empty	17	25	27	68	35	Empty	71

Collision Collision

71 62 72 86 53 17

hash function does not change the value of key itself

Q Which one is better?

\checkmark " t_1 " hash function is better because there is no collision while inserting the keys using t_1 function.

Where as " t_2 " hash function gives 2 collision while inserting.