

Week 10 quiz



Table size = 5

numbers 58 43 5 22 6 71

0	1	2	3	4	hash index	load factor
			58		$58\%5 = 3$	$1/5 = 20\%$
			58 43		$43\%5 = 3$	$2/5 = 40\%$
		x		x	$5\%5 = 0$	$3/5 = 60\%$

double size = $5 \times 2 = 10$

more than
50%

0	1	2	3	4	5	6	7	8	9	hash index	load factor
								58			
								58		$58\%10 = 8$	$1/10 = 10\%$
								58			
			43					58		$43\%10 = 3$	$2/10 = 20\%$
			43	5				58		$5\%10 = 5$	$3/10 = 30\%$
		22	43	5				58		$22\%10 = 2$	$4/10 = 40\%$
		22	43	5	6			58		$6\%10 = 6$	$5/10 = 50\%$