

CS-UY 1134 - Spring 2018 Homework #9 Q1 (Written Part)

Kiersten Page

TOTAL POINTS

20 / 20

QUESTION 1

1 Question 1 a **6 / 6**

✓ - **0 pts** Correct

QUESTION 2

2 Question 1 b **7 / 7**

✓ - **0 pts** Correct

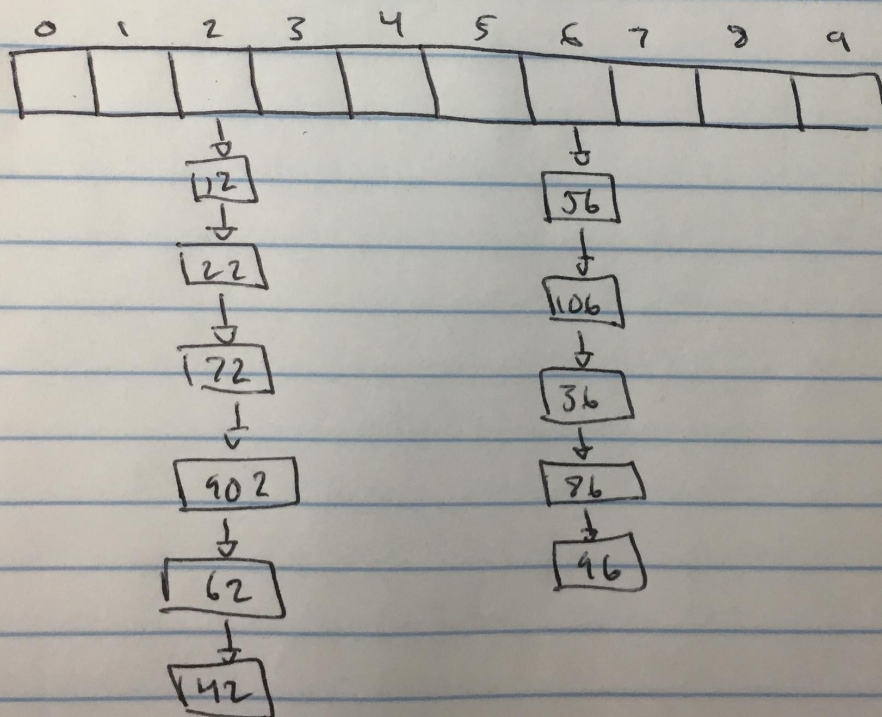
QUESTION 3

3 Question 1 c **7 / 7**

✓ - **0 pts** Correct

Kriesten Page HW#9

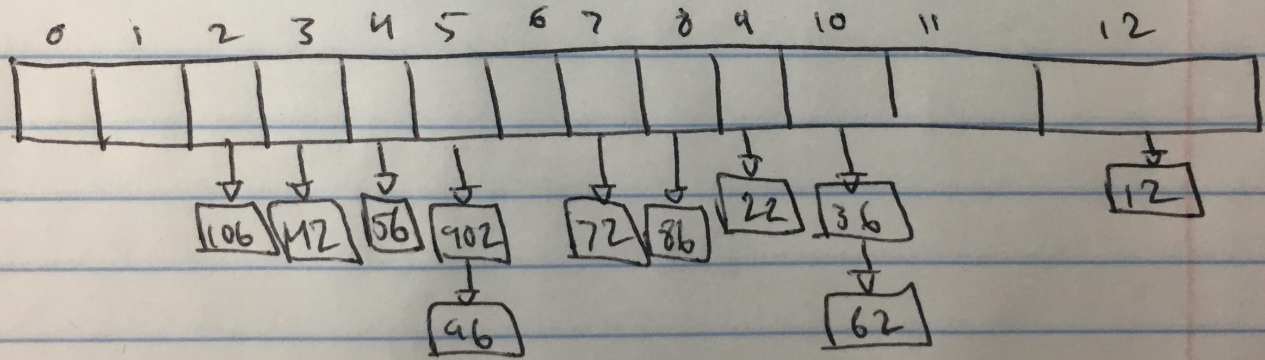
① a) $12 \div 10 = 2$ $106 \div 10 = 6$ $902 \div 10 = 2$ $62 \div 10 = 2$
 $56 \div 10 = 6$ $36 \div 10 = 6$ $86 \div 10 = 6$ $42 \div 10 = 2$
 $22 \div 10 = 2$ $72 \div 10 = 2$ $96 \div 10 = 6$



1 Question 1 a 6 / 6

✓ - 0 pts Correct

b) $12 \% 13 = 12$ $106 \% 13 = 2$ $402 \% 13 = 5$ $62 \% 13 = 10$
 $56 \% 13 = 4$ $36 \% 13 = 10$ $86 \% 13 = 8$ $42 \% 13 = 3$
 $22 \% 13 = 9$ $72 \% 13 = 7$ $96 \% 13 = 5$



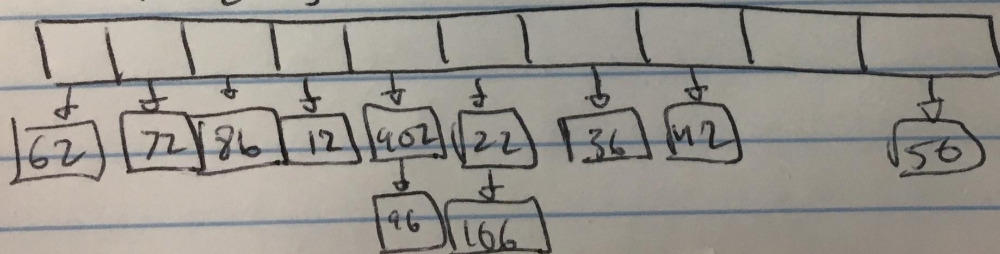
2 Question 1 b 7/7

✓ - 0 pts Correct

$$c) h_2(k) = ((125 * k + 342) \bmod 1009) \bmod 10$$

$12 \rightarrow 3$ $106 \rightarrow 5$ $902 \rightarrow 4$ $62 \rightarrow 0$
 $56 \rightarrow 9$ $36 \rightarrow 6$ $86 \rightarrow 2$ $42 \rightarrow 7$
 $22 \rightarrow 5$ $72 \rightarrow 1$ $46 \rightarrow 4$

0 1 2 3 4 5 6 7 8 9



3 Question 1 c 7 / 7

✓ - 0 pts Correct