Bons Aggittiz 1901012752 CSE 222 include Examination 3 structured I hereby plede on my home that I will strally where to academic integrity codes and the work done on this examination is solely my own and I will not receive give any help from 140 anjudy or source during this examination

1) $C = \frac{1}{2} \left(\frac{1+\frac{1}{1-L}}{1-L} \right)$, number of comparisons in open achossing $C = 1 + \frac{1}{2}$, number of comparisons in chaining -1 by load $C = 1 + \frac{1}{2}$, number of comparisons in chaining -1 by load $C = 1 + \frac{1}{2}$ $C = 1 + \frac{1}{4-\frac{1}{2}}$ $C = 1 + \frac{1}{4-\frac{1}{2}}$ C = 1 +

b) $1 + \frac{400}{5.29} (3 =) \frac{400}{2*5i2e} (2 =) \frac{400}{5i2e} (4 =) \frac{2}{5i2e} (4 =) \frac{2}{5i2e} (4 =) \frac{400}{5i2e} (4 =) \frac{400}$

3) [3,4,7,6,9]a) [3,4,7,6,9]b) [3,4,7,6,9]c) [3,4,7,6,9]c) [3,4,7,6,9]c) [3,4,7,6,9]c) [3,4,7,6,9]c) [3,4,7,6,7,9]c) [3,4,7,6,7,9]c) [3,4,7,7,9]c) [3,4,7,7,9]

Stat from left, swap the arrest element until it is not smaller than the element

comp=2

Tromp=6

CamScanner ile tarandı

Bons Ayyıldız 1901042252 CSE 202 Michern 3 Apple b) [3,4,7 ,6,9] c) [(3)4,7,6,9] index, swap with 9 9 ap=3 0,4,7,6,3 476 Comp= 4 (with the) comp=1 pivot '3') 4769 131,4,7,6,9 1 compel 13,9,7,6,4 >rest of gap=1 comp=3 the) elonor/5 4 7 6 9 3,4,7,6,9 (It is mortion sort trow vom) (3), (4), 7,6,19 comp = 5comp=1 (日,田,田) Tromp = 7 TComp=10 2) In quadratic probing we increase index numbers by 1,2,4,9,16,... So it's works better for croating unique index numbers when we encounter a collision. But array size should be prime number and load factor should be less than 0.5 to not get into

And it reduces the number of collisions for the next key volles

on endless loop, while trying to find on index.

Examination