

| | Date | |
|--|------------|----------------|
| Q41 delete 2,6,20. | 44, | 0 |
| | | 0 |
| i7 delete 2 | | <u>e</u> |
| | | -6. |
| J ² \ | | |
| | | - |
| [3] 5 | | _ |
| 17 34 56 78 920 | | |
| [] (34) [56] [78] [920] | | |
| ::2 -/01 1 6 | <u> </u> | |
| ii) detete 6 | | |
| | | |
| [3,5] | | <u> </u> |
| | | |
| [7][34] [5] [78] [920] | | |
| | | <u></u> |
| iii) delete zo | | |
| 7 | | |
| 3.5 | 1 | -6- |
| | | -6- |
| [] () () () () () () () () () (| | <u> </u> |
| | | — <u>(</u> - |
| | | |
| (5) The key's 12, 1813, 2, 3, 23, 5, 15 we men | ted ms | |
| in Indly emphy hash toble of longth 100 | C.)40 | 0 |
| addressing with A/k)= kmod to and the | ar probing | 0. |
| unat is resultant has a table? | | 0 |
| | | 0 |
| | | |

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| | , | | | | | | | Date | e | ••••• | |
|------------|------------------|----------|--------------|---------|-------------|--------|--------|------|---------------------------------------|-------|-----|
| | h (K) | 1= Kn | nod | 10 | 1 | | | | | 4 | 1. |
| 1931 | 7 4 213 | | | , | | | | | | | _ |
| . 1 | index | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| ·•_ | value | _ | _ | 12 | 23 | 2 | 3 | 23 | , <u>1</u> | 2.8 | 15 |
| - 100 | probe | _ | _ | O | 0 | 2 | 2 | 3 | 2 | 0 | 4 |
| - | | | | | | | | | | | |
| | 12-1-10 | = 2, | | | ٠ | r-4- 7 | to= - | SKY | 6 x, | 20 | |
| - | 184.2 | 0 = 8 | | | | | Z0 = J | | | | |
| | 134. LO | = 3 | | | y 1 Sa | | | | | | |
| 6 | 2-1- LO= | 2 r 3 | x, 4 | <u></u> | | | 3 ~ | | | | |
| • | 34- IO = | 3 x, 4x, | 5- | | | | , | | | | |
| • | 234-10 | = 3 x, | 10,5 | 1,64 | , | | | | | | |
| | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | |
| | | | | | | | | | | | |
| ••• | <i>M</i> = 1 . n | | | | | | | | | | |
| | Q6)501m | | | | | | | | | | |
| e | gradie | 1-KMO | 10 12 | · + 'C' | 126 | (u) | , , 2 | 1 | 14 | | |
| | quadre | ui c pro | <u>o irg</u> | . 7 [] | 11/2 (11 | (F) | | ndex | | •• | nje |
| | 9 4. zo = | 9 | | * | . (| - 4 | | 0. | 7.5 | 7 | |
| 1 (1) | h'(9,0)= (| |)-/. 2 | 0 | | | | 1 | - | 1- | |
| | 0 | = 9 ~ | | _ | | | | 2 | - | _ | |
| | h'(19,0)=(| 1(19) | 10)4 | - ZO = | , , , , , , | | | 3 | 29 | 2 | |
| | = | 9 x | | | | | | 4 | 59 | 5 | |
| | 4/19,2/ | = (h(19) |) + I | 5) 4. | Zo | | | 5 | 49 | 4 | |
| | | = Z0 | | | | | · · | 6 | 69 | 7 | |
| | | = 00 | | | | | 7 | | _ | _ | |
| . • | h'(29,0)= | 1000000 | | J 4. Z | 0 | | 8 | | 39 | 3 | |
| | | = 9 ; | | | | | و | . 1 | 9 | D | |
| () | n(29, 2) | | | | 3 | | | | | | |
| • | . 165: 5.1- | - 1 | | | | | | | | | |
| C | h'(29, 2) F | | 3 | | | | | - | Spira | 6 | 145 |

| | | Date | | 3 |
|------------------------------------|----------------------------|-------------------|-----------|----------------|
| h'(39,0) r=x | 1//49 12-8 | | | 1 |
| 1 h'(39z) = x | h'(49,6)=x h'(49,4)=(9+ | 10) 4. | 20 | • |
| 1 1 (39,2)=x | - 5 | | | 4 |
| n'(39,3)=(5+9)-1.20 | h'(59,5)=(9+) | 5) 4. | 10 | _ 1 |
| = 184.20=8 | = 4 | | 194 L | |
| • | | | | |
| h'(69,6)= (9+36)4-3 | 20 | 1 | | -0- |
| = 5 × | | | | |
| h'(69,7)= (9+49) 1. | 16 | | | |
| = 56 1. 16 | | | | () |
| -6 | * | | | (|
| • | | | | () |
| (97) 5017, | | | | (F |
| 1 double hashing | | | | 0: |
| ! h(k,i) = (hz(k) | + ih2(K)) mod | m | | 0 |
| hz(bx)= kmod(z) | a) m | | | • |
| h2 (K)= k mod = | 7+1 riolp | er value | 1 pobes | 9 |
| | 0 | J - | <u> -</u> | • |
| 1 14: (hz(14)+0 (hz(24)) m | | 34 | 0 | 9 |
| 1 = (3 + 0) mod11=3 | 2 | - | - | 1 |
| 16(27,0)= (hz(Z7)+0h2(17))+ | 3 | 24 | 0 | _0_ |
| - (6+0) ·1.11 | 5 | 37 | 0 | -0- |
| -1 = 6. -1 h(25,0) = (3+0) +.72 | 6 , | 16 | 6 | -()- |
| = 3 x | 7 | 25 | ヹ | -0- |
| - h/25, t/= (3+1×4)+-11 | 8 | | _ | 0 |
| = (2) 4. 21 | 7 | 26 | I | 0 |
| 27 | Lo | _ | _ | |
| - h(37,40) - (4+0) 4- II | | | | |
| = 4 V | 5 × 5 | | | 0 |
| - h(34,0)= (7+0) 1.22, h | (16,6)=(5+6)+. | It Sp | iral | |
| = 1 | ~ 5 | | . 45 | |
| | | The second second | | |

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9
                                              Date .....
        h (26,0) = (4+0) 4.77
       h(26, 1) = (4+ 1x5) +.11
           content of indop=
                              < key, blockpointer >
                                6+10 = 16 bytes
 ~
      In fistlerd, there will be entry for each record. So
 (
        Total Size of first level maler = 76384 x 16 bytes
 •
.
          no of blocks in proflered = size
 .
                                   16384 x 26
                                     2024
        In second level, shore will be every for each block
         in firstlevel. So, Total entries = 256 and totalsice
                of second level index = no of entriex sire of 1
                                      256 + 26
             no of blocks insecond level moler -
                                                  256×16
                                                    2029
~
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```