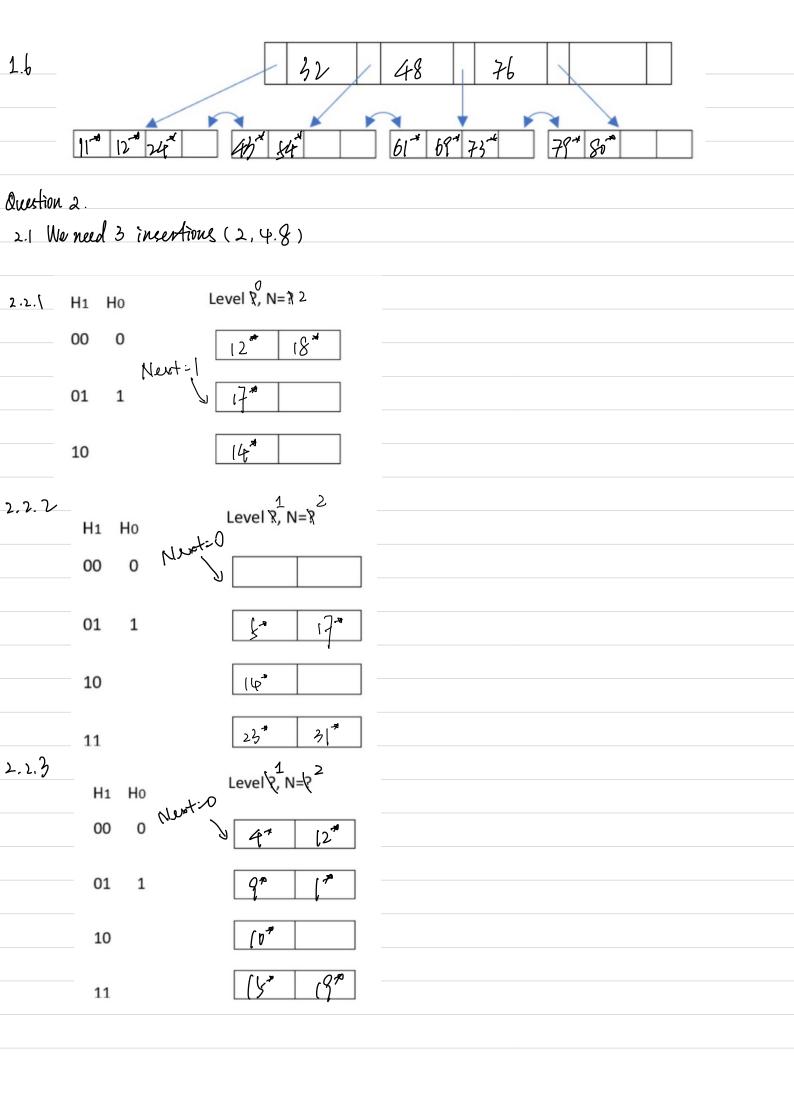
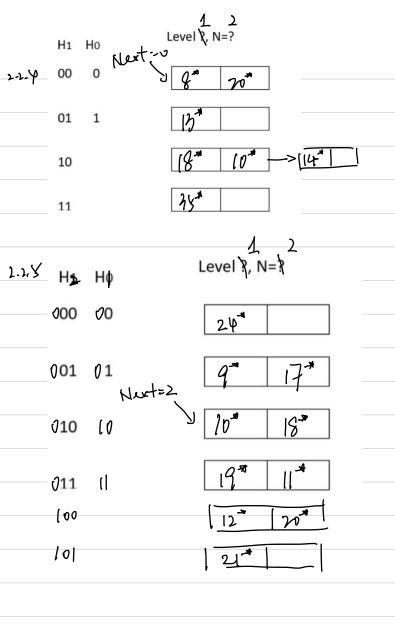
EECS 484 Homework4. Question 1. 1,1 2 3 21 24 25 27 31 85 76 2 1.2 >8 11 41 4" (0" 11" (7" >2" V5" 31" 25" 39" 40" 52" 78" 1-3 28 Ь 28 41 (1" 17" 25" 24" 31" 31" 31" 35" 39" 40" 1,4 ንዐ 45 10 23 71 72 41 44 74 77 49 1/5 79 81 300 320 79× 90° 22 24 24 abo 1540 84ª 94ª (\* () a ( (\*\*)





7.2 For 484 ab databoue: 2N × (# passes) = 4840 ab.

for 376 ab databoue: 2N × (# passes) = 3760 ab.

Total = 4840+3760 = 8600 ab

3.3 # passes:  $[+ [\log_{B-1} [\%]]$ .  $[\log_{B-1} [\frac{454x10^{3}/6}{B}]] \leq 3 [\log_{B-1} [\frac{376x10^{3}/6}{B}]] \leq 3$   $[\log_{B-1} [3] > 3.17[9424$ 

=> B = 76 RAMMIN = 76 x 16 KB = 1.1878MB

3.4 B=64 pages

[+  $[l_{8}g_{67}] \frac{N}{64}] = 3$   $N \le 63^{2} \times 64 = 234016$   $pages = \frac{254016 \times 16}{1024^{2}} = 3.876 GB = > 3 GB (round down)$