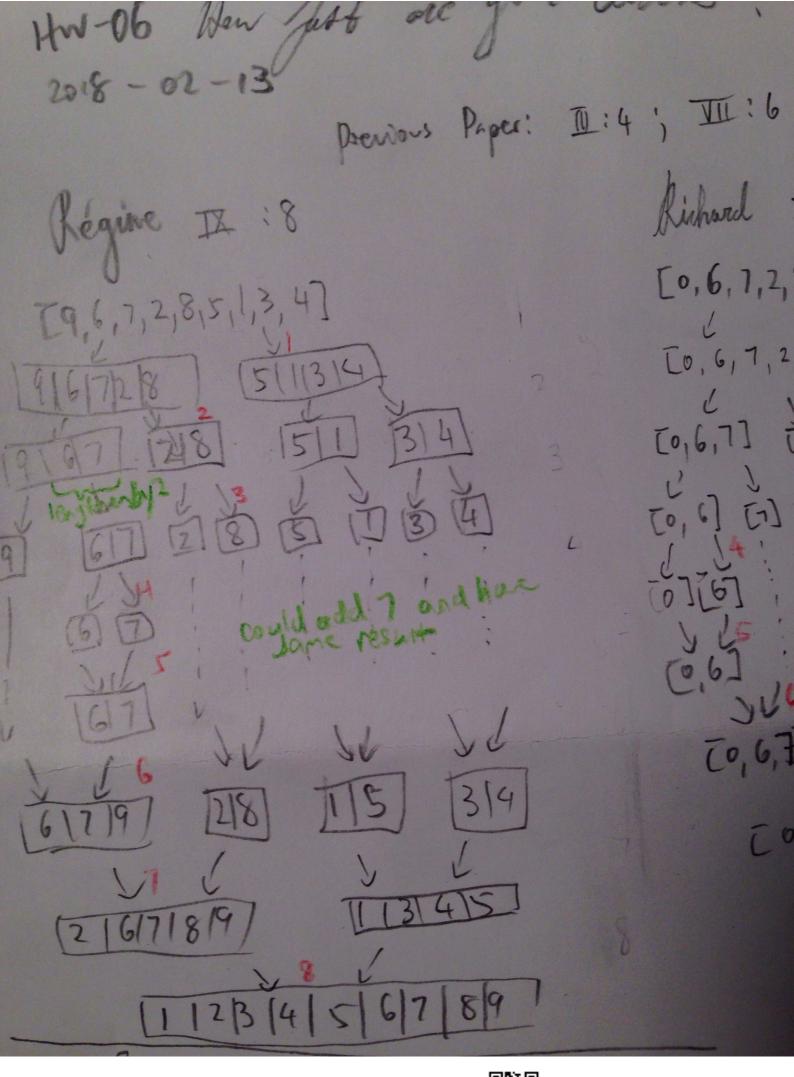




Qian Zhou APCS2 pd ol 2018 - 05 - 13 Devises Paper: 12:4; VIII:6; VIII:6 Régine IX : 8 Richard X18 (12, 9, 15,10,6,16,7,7,8,13,5,1,19,3,4,11) [0,6,1,2,8,5,1,1,3,4] [9,6,7,2,8,5,1,3,4] 13 | 9118 114 6 19 18 / 18 13 15 1 114 3140 [0,6,7,2,8] [5,1,1,3,4] (1) (गाड़ा) (हार्बाम्) (हर्गड़ीड़ी) (ग्वाड़ावात (4) (1) (1) (1) (1) ल् १ लेक के दूर्ग विशे के हैं। 国图图图图图 लावे जावा होंचे होंचे हाथा हो। 19/10/12/15/ [2/6/7/16] (4,6) (4,0) (3,0) (3,4) (2/6/9/4/10/15/16/15/8/15/8/11/13/14 [0,2,6,7,8] [1,3,4,5,9) 11 12 13 14 5 16 1 7 8 9 10 11 12 13 14 15 16 [0,1,2,3,4,5,6,7,8,9] 111213 14 15 6 17 8 9 1 Each layer is O(n) run time, at least one that is full, show each needs to either make two new arrays which would require copying elements into each, or merging them Loud would require amphility and copying elements into the sorted array, both of which require linear matthe Tolen I 2 2 I:1 (Thys 67.2)=7 because awaing to this diagram, the IX -XVI:8 Ame of certain length arrays increases by mathyles of 2, and the appeal cover boards of synch values romain close to exponents of 2. For n length, Magan 12 layers are needed, so the fatul MIL-MEIL: 10 thenfine is about O(nlogen) Aerhaps logan determines the maximum of numbers the green humans on Régine's code indicate, such that the total layers remain constant.





见:4; 亚:6; 亚:6 William Richard X:8 8, 拉 [0,6,7,2,8,5,1,9,3,4] [0,6,7,2,8] [5,1,9,3,4] [0,6,7] 古,8] 丁5,19] 古,4] [0,6,7] [3,4] [0,2,6,7,8] [1,3,4,5,9] [0,1,2,3,4,5,6,7,8,9]

William F 12, 9, 15,10,6,16,7,2,8,13,5,1,19,



01; TXXX-111X 8:104-五 because according to this diagram, the times of contain length aways increases by multiples of 2, and the upperflower bounds of such values romain close to expanents of 2. Cisc n= I; 2=1 [Tog2 07.2]=2 Derhaps logs o determines the maximum of numbers the green comments on Regine's code indicate, buch that the total layers remain constant since each needs to either make two new arrays which would require copying elements into each or merging them which would require ampairly and copying elements into the sorted array, both of which require require linear matthe untime is about Otologin) Coyers are needed, so the fotal