

Jeronia

(c, 7, 7, 8, 5, 1, 7, 4)

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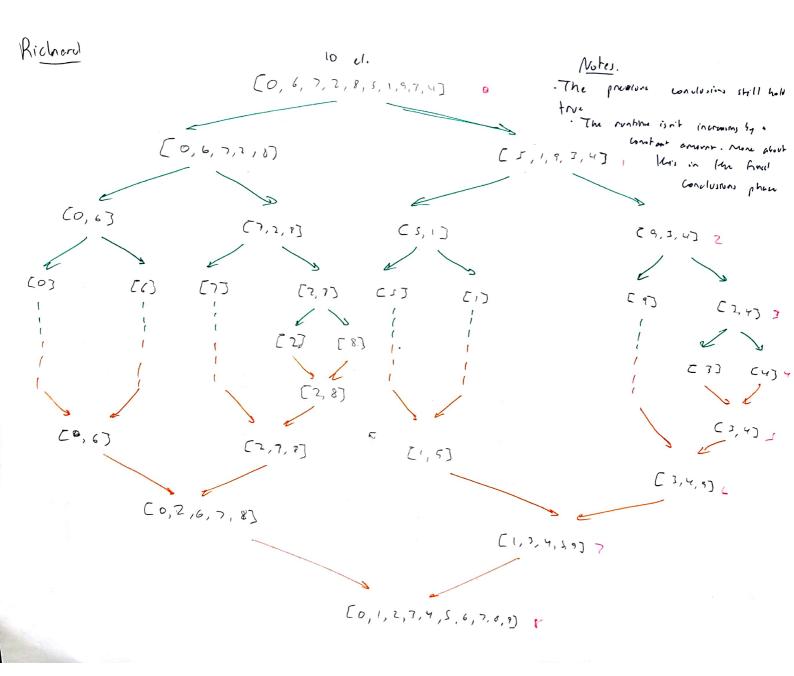
(c, 7, 7, 8, 5, 1, 7, 4)

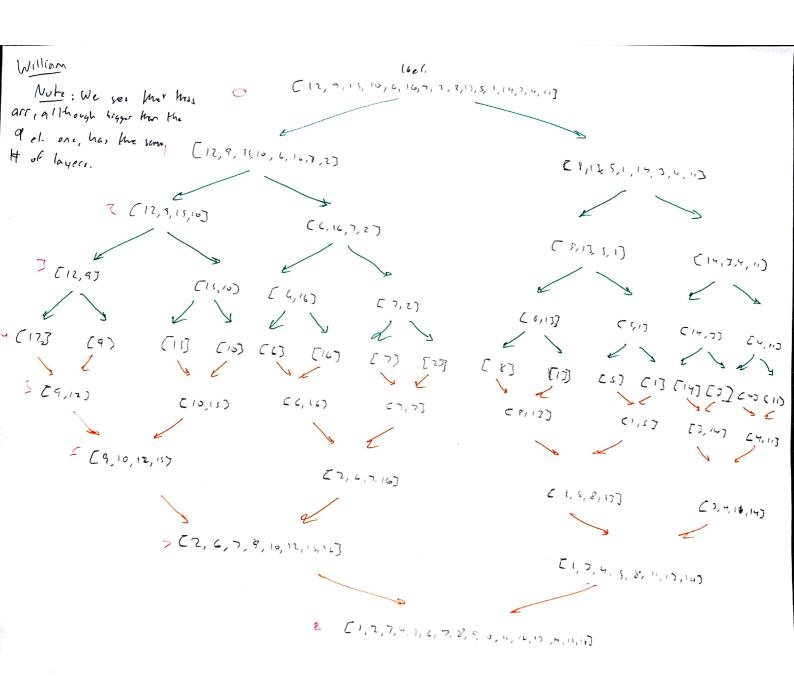
(c, 7, 7, 8)

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9 el. [9,6,7,2,8,5,1,3,4] Ceil (210gzn) Hotlayen and n element, are copied runting is 2 nlogzm ish, ( lossone) see if this pattern persons. [7,45] 74m 1:1 dude howto... This clar that going one element

(4) 4 Ghove a power of 2 mill kill





## Conclusions Drawn

It is door from the traces that margis. It runs in O (alogn) time. There are logn layers and each layer does n throngs (plus some constant). However, we also know that logn is rounded up due to the fact that a new layer is added at every pover of 2. I wanted to see how this compared to a regular alogn graph

From the 2 graph, we can see that the n ceilligen) graph spiles at every power of 2, you're not light, by a grater n and a great logn. Thus, we can convlut. Mut merge bort work, but if done on an array of 2×-1, where x is an integer >0.