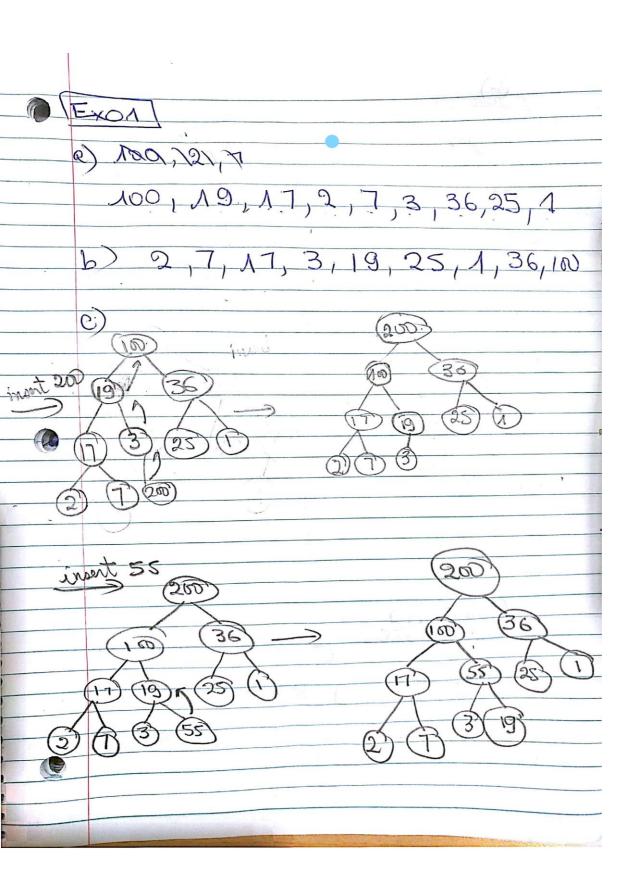
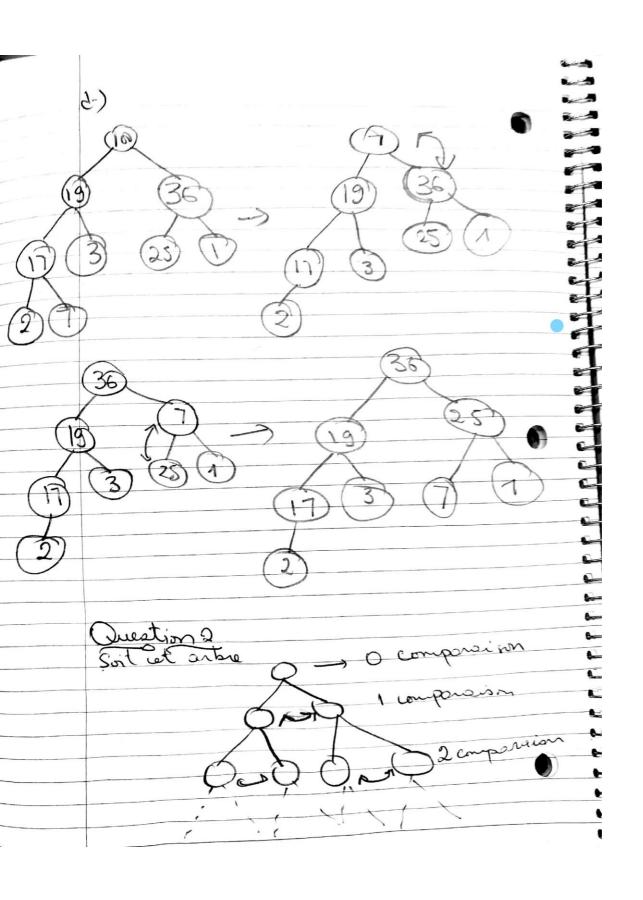
Devoir3:

Emmanuel Asinyo 8890676





Lone autotal on aura 3 componeisons.

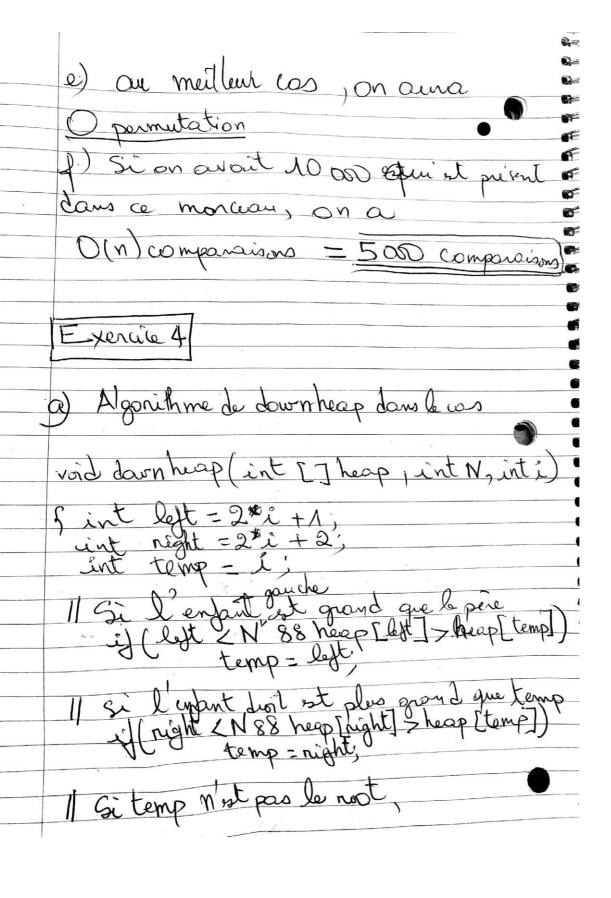
Car en prevant la navaine, on componera
les 2 enfants de la navine, ensurit les 9

enfants le la navine, ensurit les 9

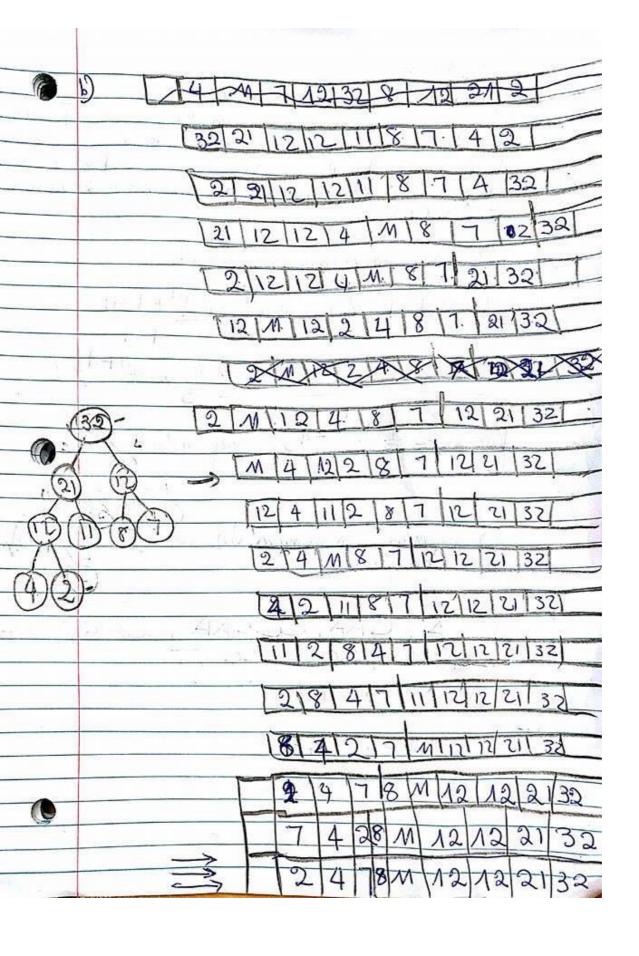
enfants som trouver les 3 petit navine.

Donc ou total, on auna 3 comparaisons.

Question 3 anbre monceau-min couplet: 500 nœus a-on seit que 1222. h = log (5000) = 12 h=12 b) On niveau h, on a 22 nocentre 40967 donc la nombre de nœud au dernir niveau $M = 500 - 2^{12} - 1 = 905$ noeuds C-) A l'avant dernie il aura 2" nients n= 2048 noeuh di) Nhe de permitation N au pine co.s: N- O(m) - 12500 logryper perhaps permutat 1 = 12 spropprosons



<u>- ()</u> [temp]; tempor resp (heap, n, temp down 8.



noeur 4+1 one minimum de noen c, cca, cc