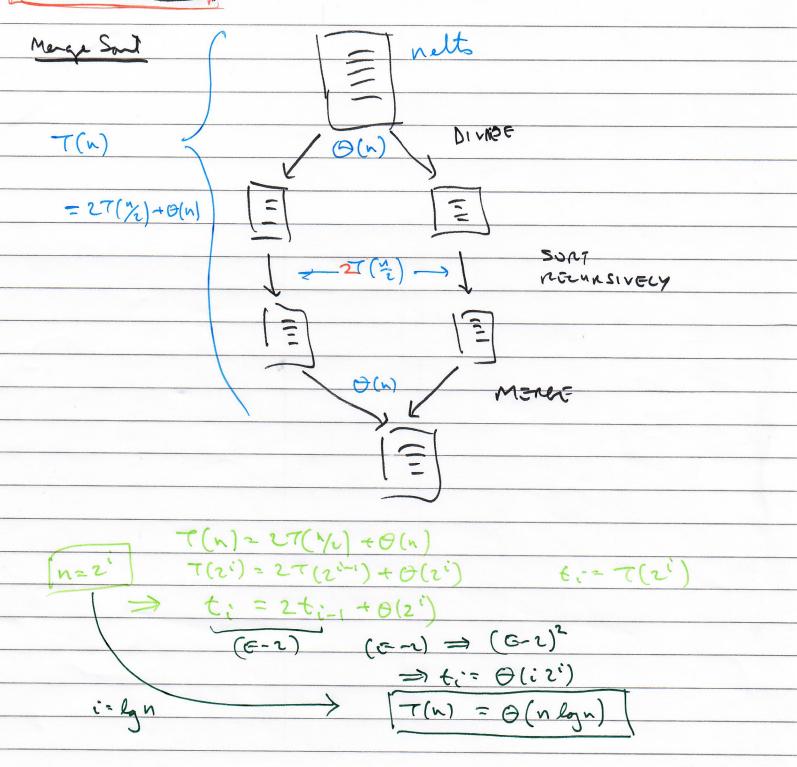
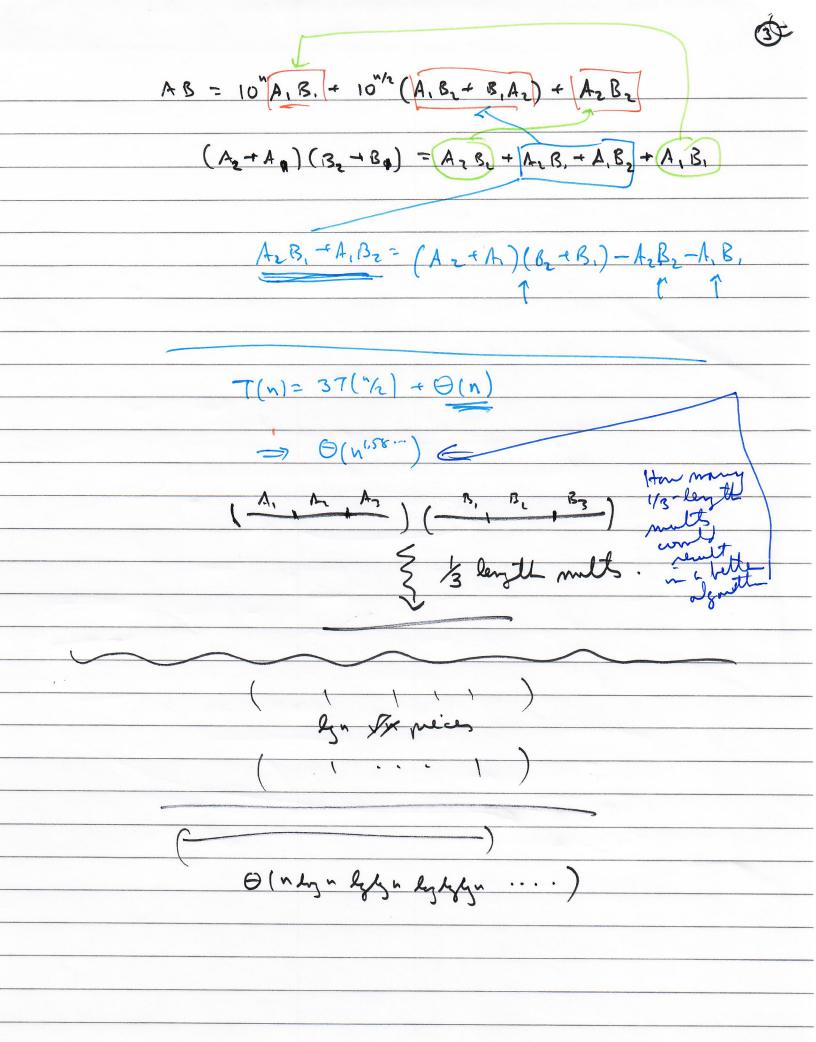
PLVIDE & conduct



Mulliply hi n-dit 9(n2) 0(n) O(n) digit n-digits B $AB = (A_2 + 10 A_1)(B_2 + 10 B_1)$ $A_2B_2 \oplus (0^{1/2}(A_1B_2) \oplus A_2B_1) \oplus (0^{1/2}A_1B_1)$ $T(G) = {}^{3} \times T(G_2) + \Theta(N)$ T(2") $t_{i} = 4t_{i-1} + 0(2i)$ C = 4 ± (3) $3 = 2^{3}$ $\Rightarrow 3^{2} = (2^{1.58})^{2} = (2^{2})^{2} = (2^{2})^{2}$



| | 9 |
|--|---------|
| clout Pain of Pourls (Shamos) | |
| preprocesing O(nlyn) | |
| 1)+C 7(n)=27(n/2)+0(n) | Olnkyn) |
| $n=2^{i}$ $t:=2t:=+\Theta(2^{i})$ $(z-2)^{2}$ $t:=\Theta(i2^{i})$ | |
| -> Ten)= O(n lyn) - | |
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