Mayter's Theorem. PAGE: DATE:
$I(n) = 8T(n 2) + 10000^2$
0128, b=2, d=2 sinde a>-bd
$= > T(n) \in o(n^3)$
$T(n) = 2T(n/2) + n^2$
a=2, $b=2$, $d=2$ since $a < b < d$
$= \gamma T(n) \in o(n^d) = o(n^2)$
T(n) = 2T(n/2) + 100
$a=2$, $b=2$, $d=1$ since $a=b^d$ => $T(n) \in O(n^d \log n) = n(\log n)$
=> T(n) E o (n° Logn) = n (logn)
$(a,b) \in \mathcal{O}(\mathcal{V}^d) \in \mathcal{O}(\mathcal{V}^q)$
A X P S S S S S S S S S S S S S S S S S S
100 EN (NO) EN (NO) EN
(10) (0 (n 110gn) : 10(n 3 40gn)
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