c) Rewrive formula is T(n)= 3T(N2)+0(n)
because the algorithm calls itself 3
times recursively with half of the values
and the multiplication and addition is
e(n) as it is stated in the problem
(using bits). (Time complexity for
Divide and Conquer algorithm)

We) Using master theorem,

a=3, b=2, f(n)=0(n) (Exord)
so f(n)=0 (n loga3-E) which is

so fin)= 0 (n 10923-E) (E < 0.6)

case one and so Tin= 0 (n 10923)

same result as in (Chonus).