- a) We should count the operation of moduling the list number by 2.
- b. TIN=3T(3)+C
- C). (ase I of moster theorem applies.  $f(n)=C=O(n^{\frac{1}{2}})^{\frac{3}{2}}-E\ ) \ \text{for some constant } \geq >0.$  Thus,  $T(n)=O(n^{\frac{1}{2}})^{\frac{3}{2}}=O(n)_{-}$
- d) The running time in parallel would be constant.