2) Brute force multiplication means each 6,4 of one of the integers has to be multiplied by each 6, I of the other integer. So it he time comploxity io of Grute force multiplication is O(nt) b/ x = X e · 2 + x l-left in 6.75 of rend x - ye · 2 2 + 7 r = (xe = 2 2 +xr) (ye · 2 2 4 yr) = 2 n x ye + 22 (xeyr + xr) (ye ryr d Recurrence for this T(n) = 3T(n) $\mp (n) = 37(\frac{\pi}{2}) + O(n)$ 1 (n/= 5 n. (3) =1-709 31092n

