public void Junction (int n) { 46. for (int c = 1; is=n ; z++). for (intj = 1, j < n, j*=2) soystem. out. paint in (**) vong 1: chan n lan voig 2: ~ log(n). =). $T(n) = n \log n$. => O (nlogn) void jurition (intr) f public for (int i=1; L = ?; i++). for (inty = 1, 1 km, 1 +=4). vong 1. 3 lai = O(r). Stystem.out.puntln(*x") rong 2: 1 = 0(n). $T(n) = \frac{n}{3} \cdot \frac{n}{4} = \Theta(n^2).$ Btop thong file. VDN: a) f(n) = 3n+5: 5 4n . 2n > 5. +) 3n+5: 0(n) voi e=4 1 n°=5 5. fcm = 402+3 = 402, 407,3. +1 Jan = O(n2) vos c=5, n°=3 c - fins = n4 + 100 n2 +80. < 3n4+ (vos n > 10). 1(1) = 0(n4) 1) · 100 ~ + 80 < 2n4 => 100 + 80 (2nt . 5) 1>10 q. for = 2 us - 2 us (res us v)

1(m) = 0(n3)

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