PAGE NO. Assignment = 9 DATE I. TM) = 27 (7/2)+n =) a22 K21 b22 P20 lug2 = I = K (case 2) P7-I -> O(n. log(B+I)n)= O(nlogn) 2. T(n) = 2+ (1/2) + m lugn =) a= 2 | k=1 b=2 | p=1 1092² 2 1 = K (case 2) P>-1 > O(n. lug((1+1).n) + O(nlog2n) 3. $T(m) = 2T(m_2) + n^2 = 0$ d = 2 k = 2b22 P20 log, 2 = 1 < K (case 3). P70 -> 0 (n2) T(n) = 8T (1/2) + 2 =) 0128 K22 N 5 0 lug; = 3 & &(K22) (case 1) 0 (n3)