1900099 (1) Page: WALES ·Q-2 a = 4 b = 2 We will find log pa: 2) log 2 H = log 2 = 2 [10ga=2] =) Now, compare log , a with k; .. 2>1 From the above calculations: log, a is greater than K we will check the cases of master theorem Case: 1 109 pa > 1 L) O(nlogb) So; as per the case; answer =)  $O(n^2)$