Name: I made Ay ay Banday UTA ID: 1002202 8309 Hamely - on -3 (x) 1 - 10 m= (n) 01) n=1; for i=lin Mil si Ni for j=! n NILIM n = n + 1;T(n) 2 2 2 1 1/4 = 1 with some almont that xertain - X+1X. Or IN / if T(n) z n2. / 2 most 20(n2). (1)0 less tenetime et i suis present no ainst comp 2 get exter them to sal memory set is newtoneto "Il

yelowed graph about mois FORES SUSCOS : DE ATU m= (n) nelj .. N : 1 = 1 red galj for i= 1: " N Jey rest for j = 1; " 0=1+1) Yes, will take significantly larger time because of an additional operation in the 'y' loop: However since, its constant and O(1) at will take the same time as 'n' operation in the premier line 95) will not effect the results as the time. inter remain some O(y). Here, correction der not affect complenity.