

A1860081 1+19/20 Pine 11 0 DAA Tutorials (airen T(n) = 2T (n/2) + 04 Hue a = 2, b=2 cost And f(a)= n4 $f(n) = O(n^4) = O(n^4) = \Omega(n^4)$ But @ $n^{1}ag_{ba} = n < n^4$ $\varepsilon = 3$ Hence, T(n) = O(n4) lyonothin 1) Given T(n)=T(n-2)+n2 The master theorem cannot be applied in such cases because the recurrence relation is not of the form,

T(n)= aT(n/b) + n² and b>1 but b>1 the T(n) = ST(n/k) + O(n)a=5, b=2 f(n)=O(n)Nols, nogbate 1 2.1-E O(n) 2 (nlosh-E)

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And di	Given = 7(0)= 2.T(0/4) + Vn	
Sandaran Sandaran Sandaran	Here, $7(n)=2T(n/q)+1/n$ $4a_2$ $6=2$ $6=4$	
Andrews	f(n)= $\sqrt{n} = O(\sqrt{n})$ Note, $\sqrt{n} = O(\sqrt{n})$ Hence, $\sqrt{n} = O(\sqrt{n}) = O(\sqrt{n})$	1
Andrew Spiriter	Hence, T(n) = O (Inloyn)	1111
Lister C)	$T(n)_2 = \frac{ T(n)_2 }{2} + \frac{1}{n}$ Here, $a_2 = 1$ $b_2 = 2$, $f(n)_2 = 1$	
Andrews Andrew	1 Property of the second of th	
Assessed Transport of the Control of	Here as 1/2 but a needs to be greater than or equal to 1. Hence, moster theorem can not be applied.	
Lila P)	T(n) = Vn T(vn) + n Hue a= vn b= 1 and f(n)=n.	
Jan-	Hence, master theorem cannot be applied.	









