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1) Malce	
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: Suny le(5)	
- 606 (916) 39 BING (CCLI CO, CON CE) OD(C (918 01/C (17))	
(1863) 72160 sic sono Parhhou ex genta O(m.log(m))	
Short of sensor. C. COP (CP) & DOP(25,1) Anggras of his observed on the contraction of th	
Med Ballin) of all guar and cena is purpl noce walling de affect	
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O(MN). O(eg N) : Appl Parkhian 2 Do Sidesyl	
= O(N-eog(N))	
proble 2 pepie son Quich good (intart I) int town methy) [: 100 a : 2001)	
y (dow < hogh) {	
int p= parh hon (arr, low, high);	
Quick Sort (arr, low, p-1); 1/t(i-1)	
Quelo Sort (aux, p. 4, high); //T(m-i)i	16/W1323
3 3 sipirat	
Ti(m)=(m-1)+T(n-i)+T(i-1):10 PGSPN	
(puthous) O(m)	
$=(m-1)+1.\sum_{m=1}^{m-1}(T(m-i)+T(i-1))$	
=(m-1) + 1/2 - 2 = T(i) /·m	All III
$\omega(\Omega) m \cdot T(n) = 2 \sum_{i=1}^{m-1} T(i) + m(m-1)$	
$(m-1) = 2 \sum_{x=0}^{m-1} T(x) + m(m-1)$ $(m-1) = 2 \sum_{x=0}^{m-2} T(x) + (m-1)(m-2)$	
Scanné avec CamS	canner

0-6 =: m T(m) - (n-1) T(n-1) = 2 T(n-1) + 2 (n-1)	
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(=)T(n) = T(m-1) + 2(m-1) $f(n) = f(m-1)$	-
$m = m \pmod{1}$	
	11
$f(m) = \int (m-1) + 2(m-1)$ $p(x) = \int (m-1) + 2(m-1)$	t y all
f(m) = f(m-1) + 4 - 2	
$f(m) = f(m-1) + \frac{4}{m} - \frac{2}{m}$	(.7.)
$\frac{J(m-1)=f(n-2)+\mu-2}{m-m-1}$	W: 5191
1(n-2) = 1(n-3/4 4 - 2	in Bit
$n \rightarrow n \rightarrow$	a lain
$J(n-2) = J(n-3) \cdot u - \frac{2}{n-2}$ $J(n) = J(x) + \frac{5}{2} \cdot u - \frac{5}{2}$ $\alpha_{1} \cdot c = 2 \cdot 1 \cdot 1 \cdot c = 2 \cdot 1$	A. The
$\alpha_{1} = 1 + 1 = 1$	
m+1 2=3 2	Mr. C
M11 [23]	A STATE OF
= 4 + 2 (hm - (1+1))	112
=4 +29m-3	
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T(m) = 2 (m+1) . (hm - hm	100
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= 2 (n+1). loy(n)-4n	7 1754
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p(d-3) = (-3) + (-3)	
11 3 (O(m)	
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0(m-1) $= P(1)$	
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