UTS Analisis dan Strategi Algoritma	24060119130071
a) Divide and Conquer	
33 - 3 Solquer	
procedure Sort Merge (input/output T: Arroy of	
To turked anthor 1: Livan of	character, input 1, : integer)
Deklarasi	7 4 7 4 9 1
x: integer	
Constituting on the second	. J. (240 - 71 842
Algoritma	1
if i < j then	as the distriction of
7 ditj div 2	141 - 12
Sort Merge (T, i, x)	sorte in i
Sort Merge (T, x+1, j) {divide}	
Merge (7, i, x, j)	Louis !
endif	man the memilian
procedure Merge (input/output T: Array of char Deklarasi S: Array of character	acter, input left, mid; right : integer
Deklarasi S: Array of character	**************************************
Deklarasi	mar input left, mid; right : moder
Deklarasi S: Array of character i, a, b: integer Algoritma	**************************************
Deklarasi S: Array of character i, a, b: integer Algoritma a left	**************************************
Deklarasi S: Array of character i, a, b: integer Algoritma a left b mid + 1	The course of the poor of the stand out
Deklarasi S: Array of character i, a, b: integer Algoritma a + left b + mid + 1 i + left	The County Control of the County of the Coun
Deklarasi S: Array of character i, a, b: integer Algoritma a + left b + mid + 1 i + left while (a \left mid) and (b \left right) do	The County Control of the County of the Coun
Deklarasi S: Array of character i, a, b: integer Algoritma a + left b + mid + 1 i + left while (a < mid) and (b < right) do if Ta < Tb then	The Carolin Shooms and a second
Deklarasi S: Array of character i, a, b: integer Algoritma a + left b + mid + 1 i + left while (a < mid) and (b < right) do if Ta < Tb then S: + Ta	The same of the sa
Deklarasi S: Array of character i, a, b: integer Algoritma a + left b + mid + 1 i + left While (a < mid) and (b < right) do if Ta < Tb then S; + Ta a + a + 1	The Carolin Shooms and a second
Deklarasi S: Array of character i, a, b: integer Algoritma a + left b + nid + 1 i + left while (a < mid) and (b < right) do if Ta < Tb then S: + Ta a + a + 1 else	The same shows and show and sh
Deklarasi S: Array of character i, a, b: integer Algoritma a + left b + mid + 1 i + left While (a < mid) and (b < right) do if Ta < Tb then S; + Ta a + a + 1	The same of the sa
Deklarasi S: Array of character i, a, b: integer Algoritma a + left b + mid + 1 i + left while (a < mid) and (b < right) do if Ta < Tb then S: + Ta a + a + 1 else S: + Tb	Marian Robert Marian Control C
Deklarasi S: Array of character i, a, b: integer Algoritma a + left b + mid + 1 i + left While (a < mid) and (b < right) do if Ta < Tb then Si + Ta a + a + 1 else Si + Tb b + b + 1 endif i + i + 1	man and and and and and and and and and a
Deklarasi S: Array of character i, a, b: integer Algoritma a + left b + mid + 1 i + left while (a < mid) and (b < right) do if Ta < Tb then S: + Ta a + a + 1 else S: + Tb b + b + 1 endif	man and and and and and and and and and a
Deklarasi S: Array of character i, a, b: integer Algoritma a + left b + mid + 1 i + left While (a < mid) and (b < right) do if Ta < Tb then Si + Ta a + a + 1 else Si + Tb b + b + 1 endif i + i + 1	Actor in the state of the state

하다 보다는 경우에 속 전환(경영) (1995년 1일		
While (a ≤ mid) do	Kompleksitas	
Si 4 Ta	$T(n) = \int a $	-
a + a+1	(21(n/2)+cn, n71	no same o
i ← i+1		make m
endwhile	T(n): 2T(n/z)+cn	no formation
	1-+1-17 x(nh)+cn = 4 ((n/4) + 20)	are many part
while (b ≤ right) do	= 4(2T(n/8) + cn/4) +2cn = 8 1 (n/8) +3	0)
Si 4- Tb	asomsi $n=2^k$ \longrightarrow 0 $n=1$	
b ← b + 1	asomsi $n=2^k$ $\frac{1}{2^k}$ $\frac{1}{2^k}$ $\frac{1}{2^k}$ $\frac{1}{2^k}$ $\frac{1}{2^k}$ $\frac{1}{2^k}$	2
i ← i +1	$= 2^k (T(n/2^k)) + kcn$ 2*	No. of Street, or other Desires, or other Desire
enduhile		
	$T(n) = n T(1) + cn^2 \log n$	-
{conquer3	50 - 100 0	
i traversal left.right	= an + ch roght = O(n 2logn) > antil derajat lertinggr	
Ti + Si	U	
endtraversal	Long to und the house of the con-	-
The state of the s		-
b) Decrease and Conquer	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	placed with	
,	arr: Arm of Character, input is i: integer)	
procedure Selection Sort (input/output	arr: Array of Character, input i, j: integer)	
procedure Selection Sort (input/output if i < i then	arr: Array of Character, input i, j: integer)	
procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j)	arr: Array of Character, input i, j: integer)	
procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j) Selection Sort (arr, i+1, j)	arr: Array of Character, input i, j: integer)	
procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j)	arr: Array of Character, input i, j: integer)	
procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j) Selection Sort (arr, i+1, j) endif		
procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j) Selection Sort (arr, i+1, j) endif	arr: Array of Character, input i, j: integer) arr: Array of Character, input i, j: integer)	
procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j) Selection Sort (arr, i+1, j) endif procedure Search Replace (input/output		
procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j) Selection Sort (arr, i+1, j) endif procedure Search Replace (input/output Deklarasi		
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procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j) Selection Sort (arr, i+1, j) endif procedure Search Replace (input/output Deklarasi jdxmin, k, tmp: integer		
procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j) Selection Sort (arr, i+1, j) endif procedure Search Replace (input/output Deklarasi		
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procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j) Selection Sort (arr, i+1, j) endif procedure Search Replace (input/output) Deklarasi idxmin, k, tmp: integer Algoritma idxmin 4 i k traversal [i+1 j-1]		
procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j) Selection Sort (arr, i+1, j) endif procedure Search Replace (input/output) Deklarasi idxmin, k, tmp: integer Algoritma idxmin 4 i k traversal [i+1 j-1] if arrk < arr idxmin then		
procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j) Selection Sort (arr, i+1, j) endif procedure Search Replace (input/output) Deklarasi idxmin, k, tmp: integer Algoritma idxmin 4 i k traversal [i+1 j-1] if arrk < arr idxmin then idxmin 4 k		
procedure Selection Sort (input/output if i < j then Search Replace (arr, i, j) Selection Sort (arr, i+1, j) endif procedure Search Replace (input/output) Deklarasi idxmin, k, tmp: integer Algoritma idxmin 4 i k traversal [i+1 j-1] if arrk < arr idxmin then		



and are in president for	{swap3	the special and the special an				
-	tmp 4 arr;					
a beautiful a	arrit arridxmin	The same of the sa				
	arridamin of top	n' il de neu man mar i ma de la deserve de dese				
-						
	Kompleksitas	Service and the service of the servi				
-	1) Proses rekursif memakan wakto	1 elemen kurang dari sebelumnya				
	2) Kencarian nilai indeks minimum	1 elemen kurang dari sebelumnya pada array memahan waktu sebanyak n hali.				
	$ \begin{array}{c} Sehingga \\ & \qquad $					
-	T(a) (T(a-1), c-	N 74				
	1 (") = (1 ("-1) + ch)	11 / 1				
	T(n) = T(n-1) + cn					
-		= Cn + (ch-1) + T(n-2)				
-	= Cn + (C(n-1) + (c					
	= cn + c(n-1) + c(n-2) + + 2c + T(1)					
VIO. 9-10-VI						
	T(1)=a					
	= c(n + (n-1) + (n-2) + (n-3) + + 2) + a					
	$= C \left(\frac{0 \times (n-1)}{2} \right)$	+9				
	$= C\left(\frac{n^2-n}{2}\right)+a$	$= O(n^2)$				
	(2)					
-						
2	a) Using exhaustive search					
		gian dengan menggunakan total yang diassign pada orang ke-i dan				
Total Windowski	job ke-j					
	2) Évaluasi tiap kemungkinan	yang ada				
-	Himpunan	Total biaya				
	(1,1) (2,2) (3,3)	9 + 4 + 1 = 14				
	(1,1) (2,3) (3,2)	9 + 3 + 8 = 20				
	(1,2)(2,1)(3,3)	2 + 6 + 1 = 9				
	(1,2)(2,3)(3,1)	2 + 3 + 5 = 10				
-	(1,3)(2,2)(3,1)	7+4+5=16				
	(1,3) (2,1) (3,2)	7 + 6 + 8 = 21				
	de la companya del la companya de la					
-						

(ID)

b) Jika dilihat pattermya	n job dan n orang, akan ada n! kemungkinan.
maka jiku Terdapat	n job dan n orang, akan ada ni kemungkiliwi.
Sehindra algoritma in	aya tiap elemen matriks, akan membutuhkan kompleksitas waktu O(n) ni memerlukan kompleksitas waktu O(n n!)
Se to Other surface to the	THE HOLD WHAT I HAVE PRINTED IN MANY AND ALL THE STATE OF
	\$17.
	A Strain Committee of the Committee of t
	1 ('- x '' + ' x - ' - (x n y , 1 + ' - ' - ' - ' - ' - ' - ' - ' - ' - '
3	
agli:	· 1
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The party has	ne time care that at atomic, is a term to the high right
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	Contraction (contraction)
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