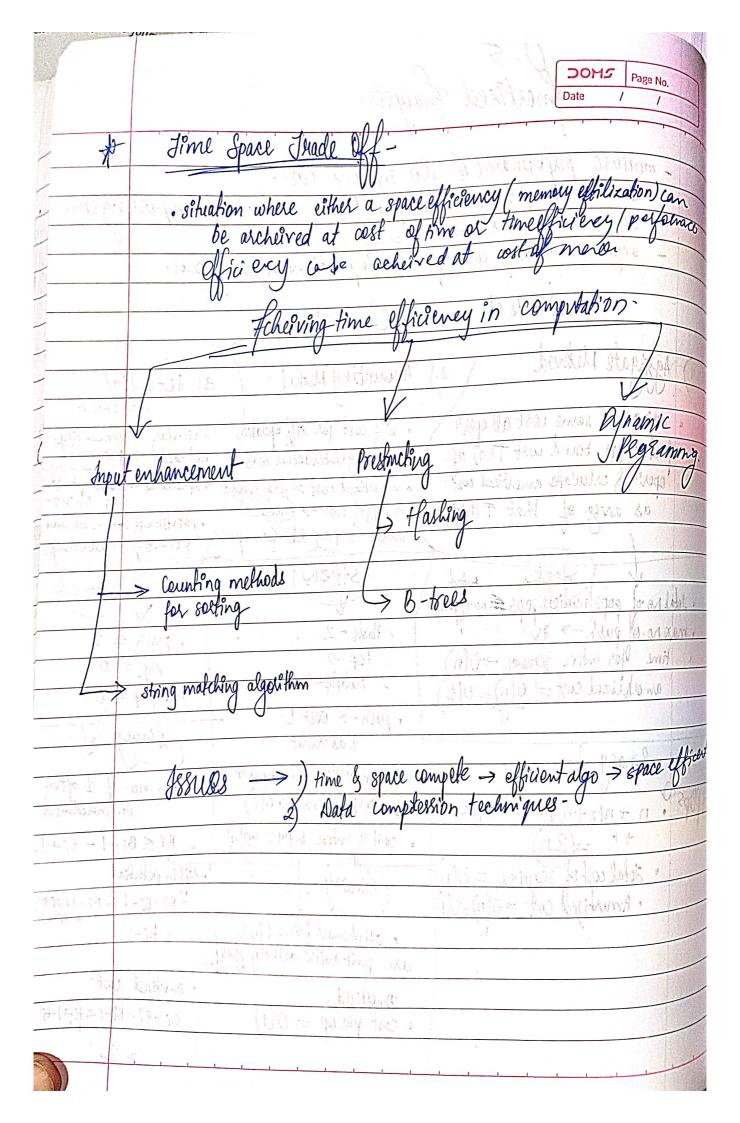
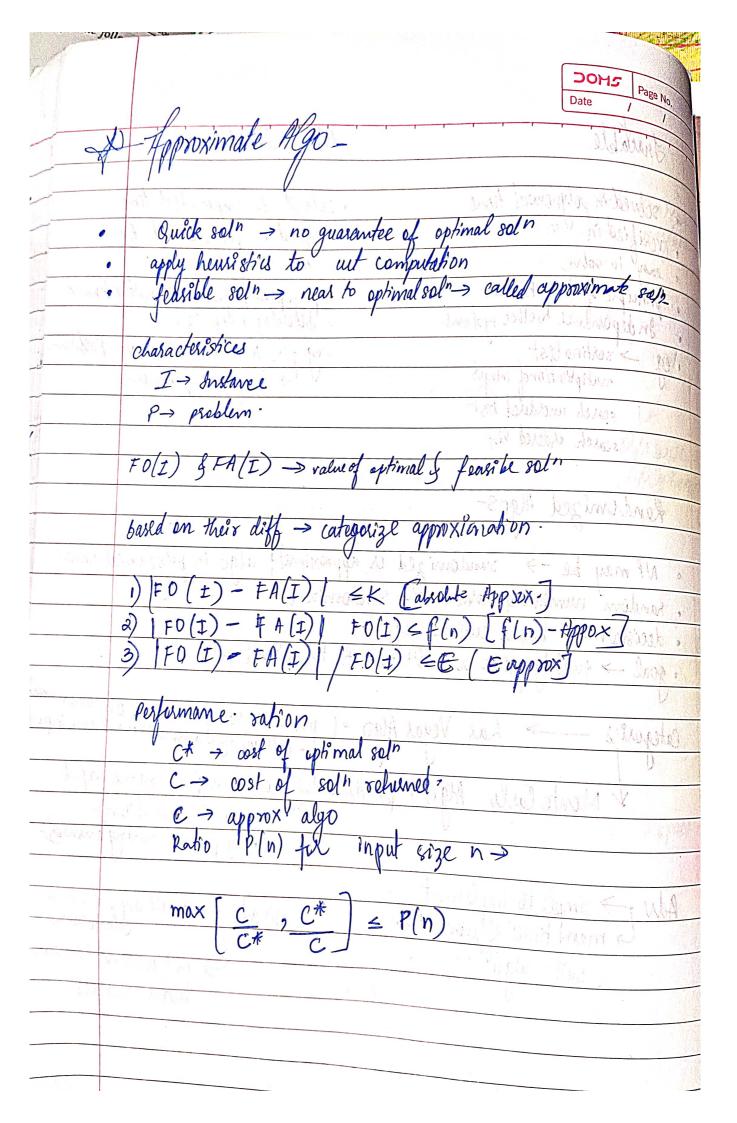
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0-5			
1 . 4 /2: 7 0 0/ //. 4 // 11 0. 0	S Page No.		
- INDA ARIBETY VANDED	STREET, STREET,		
- measure performance of algo in ang. case.			
- measures time/ resource complexity in context of computer program.			
- some method/resource > cheaper			
- measures time/ resource complexity in context of computer program.  - some method/resource - cheaper  - says about any cost of all operations in worst carl.			
Methods of anortized analysis.			
1) Aggrade Method 2) Accounting Method	2) Pola fiel		
2) menul	3) Petential meted		
find upper bound cost T(n) of less or greater actual cast	not credit -> potential of		
as aver of that F(n) yn: 4 diff of two - credit	· special ds -> store optended		
	· potential diff >0 -> overslage		
	PD <0 -> unditellarg.		
Stock total Stock	Stock		
· Jell no of paps instiple paps = no of much			
· max no. of push -> h / rush -2	. push = 2		
time for entire sequece → O(n), Pep-D  amosphized cost = O(n) - O(1)  Mubriop-D	hob = 0.		
W. 2012	milipop 0.		
n , push > cost 1 - 1 as credit.	(Binary)		
braly . enough credit > each open			
offlips on + n/2+n/4 — +n/2k o amorbized cost -> O(1)	o Bis no. of I offer it insteadments		
	. Bi≤Bi-1-ti+1.		
o Jotal cost of sequence = O(n) (Brinary)	diffin petalial = Bi-Bi-1 ≤ Bi-1+tit()		
	- 31		
n alchanges form 1 to 0 are pair with alualy stored.	= ti-1		
amortized.	· Amerlized cost		
· cost per op = O(1)	Li+Bi-Bi-1 <fi-1-fi< td=""></fi-1-fi<>		
	22		
	1 1 1 1		



		DOM5   Page No.	
10	. L	Date / /	
H	Tracable	Non-Tractable	
70		11/1	
	· solved in polynomial time.	solved: in reprosental time.	
	· verified in " "	verified in polynomial fine	
	· easy to solve	not early to solve.	
	· principle of from known	a min plant of the property here was	
	· In departure to ather systems	min ples of finan are pully known.	
	reg → sorting list nutiplication of integers	· eg > traveling Sales man Pooblen	
		· eg > traveling Sales man Pooblen Draps red peoblem	
	search unordered tist.	maldora eq	
	search ordered list		
	was a warm of Thing	da formor com (1) 11-1 6 (2/07)	
*	Randomized Algos-		
7	Love of the their states of the talkers of the second of		
	· NP may be -> sandomized or approximity algo in polynomial time.		
	· No may be -> randomized or approximity algo in polynomial time.  random number generator or randomizer		
	· decision > based current output		
	· goal -> quickly give a soln neauth to optimal soln		
	0		
	Categories -> Las Vegas Alg	and some some on each exective	
	Categories -> Las Vegas Algo « (produce same outrome on each exect (Arways original answers) for same input		
	I Monte Carlo Algo. (produce diff outcome for same input		
	V I	on each execution)-	
	Sni (136 6.	· cmay produce wrong answest	
	Adv -> simple to implement	, =	
	man times efficient than trad " algo	Dis adv -> small dogses error	
	trad n algo	(danvens)	
	0	- not possible to about	
		belfix results.	
+		And the second of the second o	



with thereted me 2MOC Page No. limbedded Algorithms. computer system with dedicated fuch with larger mechanical or electrical system. ight beloned they characteristices ->, single fuctions · tightly pations constrained Gart of large systems 1 34018 · Reached of teal time pregrammable. embedded system scheduling > power optim=ed scheduling algo. > tred partity algo. 1) Fixed priority algo · priority task - assigned - design time · Task -> enit -> blacked or waiting stater -· simple lifetycle is followed here with plietity algo > · prierity of task > changes dynamically . rest is same as fixed peroxity. Dy namic sorling algo for embedded system · charactersty > should be in place not be reussive code size -> as per need of problemrunning time - inclease linearly or logarithese Best time congles -> O(n) Insuran sort vsed here -> Avg -> Q(n2)