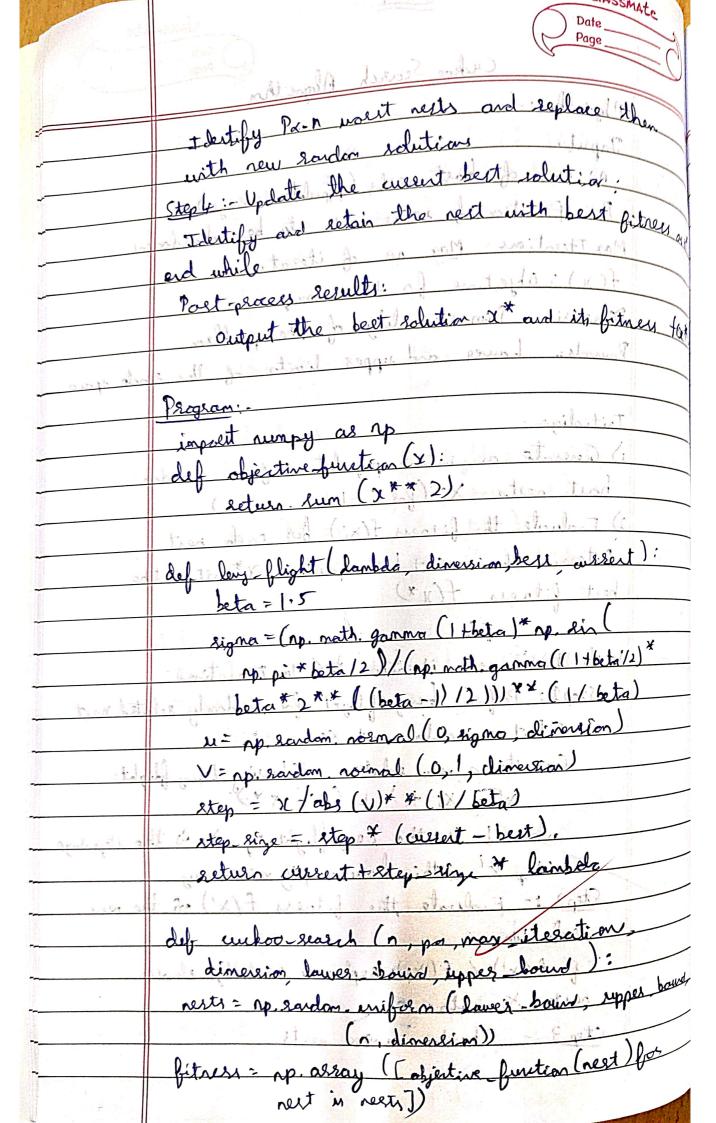
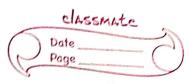
	LOB-4	classmate
	efoc and the control of the control	Date
	aport of	Page
	Cuckoo Search Algorith	M
-	1A lgorithm: - when there A. M.	
	Toput: initiate inhal in	in Ather
	n: No of host nexts (population	Usinger) at
Treety or of	Pain Fraction of worse nexts to 1	a abandoner
	Max Iterations: Max so of iteration	yough tare
	f(x): Objective for to minimize	septent
Tot wa	Dimension Dimensionality of the	psellen
	Pourds: Lawer and upper limits of the seach space	
		- malas ?
	Initialize. In la ligne	r tilingsi
-	hout nexts Xi (for i =1,2,, s)	
	2) Fraluate the fitness f(x;) for e	
: (Determine the current best solution X* with the best fitness f(x*)	
) is go that it was is the go -	·
× (While the west iteration it < man t	terations:
(step1: Perform bery flight for raidonly related next	
	Select a sandom next Xi	11
	Generate a new colution X'using Leng flight:	
	where I is the Long flight ste	ip, X is the step sing
	Clip X' within bounds , if n	leersary
	Step 2: - Fraluate the fitners	f(x') of the rew
	in exolution on a dispersion	Lus gin
	Ty f(x!) L f(x;), replace a san	bonlyt choices
lound 10	nect & inth x have make you	1.5 Alda
	Step 3: - Abardon hurses neets	. 10
- de J	of assay the estre bustinal asst	- MANTEN
	(Caren is tran	





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	best-solution = nexts [ap, argmin (fitness)] best-fitness = min (fitness)		
	best-fitness - mis (fitness)		
	200000000000000000000000000000000000000		
	for iteration is sarge (may iterations):		
	cuchoo index = np. soudom, landint (0, 1)		
	eukoo = leng flight (0.0) disnersion		
	best solution, nests (cuckor index).		
~	embro = np. chip (ruckoo , louver bound, uppor bound)		
tour	wikoo fitres = objective funtion (cukoo)		
	(harried of office		
	sandom nest-indes = np. sandom, sondrit (0,0)		
	if aukor fitness < fitness [earlow_nest_indes.];		
	nexts (random_next_index) = new next		
[8	fetres [and on neet inder,] = curpo fitres		
	Best Jeton - 12.6010 E.		
	mosit-rest indices = np. asysort (fitness)[-int (patn):]		
	for worst next index in worset-next indices:		
	new nest = np. sandom uniform (lawer bound,		
	epper bound, dimercion		
- A	nexts (ment best index) = new next		
	fitness (worst_nest_index) = objective - function (new_nest)		
	cuerent best index = np. argnin (bitness)		
	it fitnes [werest - best index] < best fitness:		
	best edution = nexts (current index)		
	best fishers - fitners (ausent best index)		
	seturn best solution, best fitness		

