DATE: 22/0/24. Algorithm 1) Flast Proport math and Proport random 25 Depère a objective function (x) after that take a phreson por menimum x=3 Jeken Cx-3)2. 3) refére a purtion semulated annealing with parameter objective punction, insteal-solution, insteal-temperature, cooling date, stopping temperature, max 9 truckons. u) set the convert-solution to the energl-solution Curent-solution= inghal-solution count value = objective propon Courset solution track a best solution found so pas best-solution= courses-solution best-value = carrest-value. temperature = Polkal temperature eteration=0. continue until the temperature stops belows the stopping conditions a max iteration. while temperature > stopping-temperature and . Pterations come Eterations. signerate a new souther by randomly changing the carent solution this allower the explanation of solution 6) calculate the difference of objective punction value to check how much better the @ would the new Boerde whether to accept the new solution of the new solution es better we accept et, if the new solution as usouse we accept the probablishy based on the temperature

_	
	course solution=new_solution
	convert - value = new-value.
	8) teghest temperature allow wouse solution to accept
0	more early.
	esupdate a best solution pound so par and a cool
	down the temperature , if temp decareuses the algorithm
	become lexe likely to accept.
	to temperature = cooling sate
	105 Parkalege a valuer par garral-solution, intral-temper
-	hue, mar Pterakues, cooling-sate, stopping-temperatures
	best solution, best men = objective prockon (2,9 kal solution
9	ingkal=temperature, max-lierakous, cooling-rate, stopping
	temperature). and in the stand of the stand of
	11) purt the temperature, Pteration, best-solution, value
	at last wille pient best-solution & value after all the
	PhenoLegard and resident resident
	o thousand the second
-1	in the control of the
	and the part of the second of the second
	ingralesolution x +101 payore condensate stimes
	Instal temperature : 1000, 1000 into
50	cooling anter 0:951
~	Stopping temperature: Ve-18 allo and marine
	soud?
	Pherapon 1-2.1 or charter in bounding the man of the control of th
	(with value : p(70) = (10=3)2=49
	New solution: lot wordom unique (-1,+1)
3	13 10 master man = 9,5 harmon al william of many
2	new jalue = { (9.5) = (9.5: -3)2 = 42.25
b	polta value = At = 42.25-49 = -6.75 (better solution)
	Accept New solution or = 9.5
	temperature 1000 x 0.95 = 950.

? delta value LO?

elses

Polkal-solution, folkal-temperature, cooling rate, stopping tempera - hue, may - ?terasson)

prent (1" Best solution found 3 x = { best - solution 6. 4 + 3. fro = & best value : 11/5"

outputs

8terakon: 1. Tempuahure: 950,0, carrent solukon: 10,98, B-30: 10.0 Rterakon: 2, Temperature: 902 . T. Current solukon: 11.32, R-so: 10.8.

Pterakonis, Temperahue: 857.37, curent solution: 10.33, b. so: 10.0

Pterakonis, Temperahue: 814,50, curent solution: 10.12, b. so: 10.0

Pterakonis, Temperahue: 735.09, curent solution: 10.80, b. so: 10.0

Pterakonis Temperahue: 698.33, curent solution: 11.44, b. so: 10.0

Pterakonis Temperahue: 698.33, curent solution: 12.27, b. so: 10.0

Pterakonis Temperahue: 663.42, curent solution: 12.16, b. so: 10.0

Pterakonis Temperahue: 663.42, curent solution: 12.16, b. so: 10.0

Pterakonis P. Temperahue: 630.24, curent solution: 12.99, b. so: 10.0

Pterakonis O. Temperahue: 630.24, curent solution: 12.99, b. so: 10.0

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