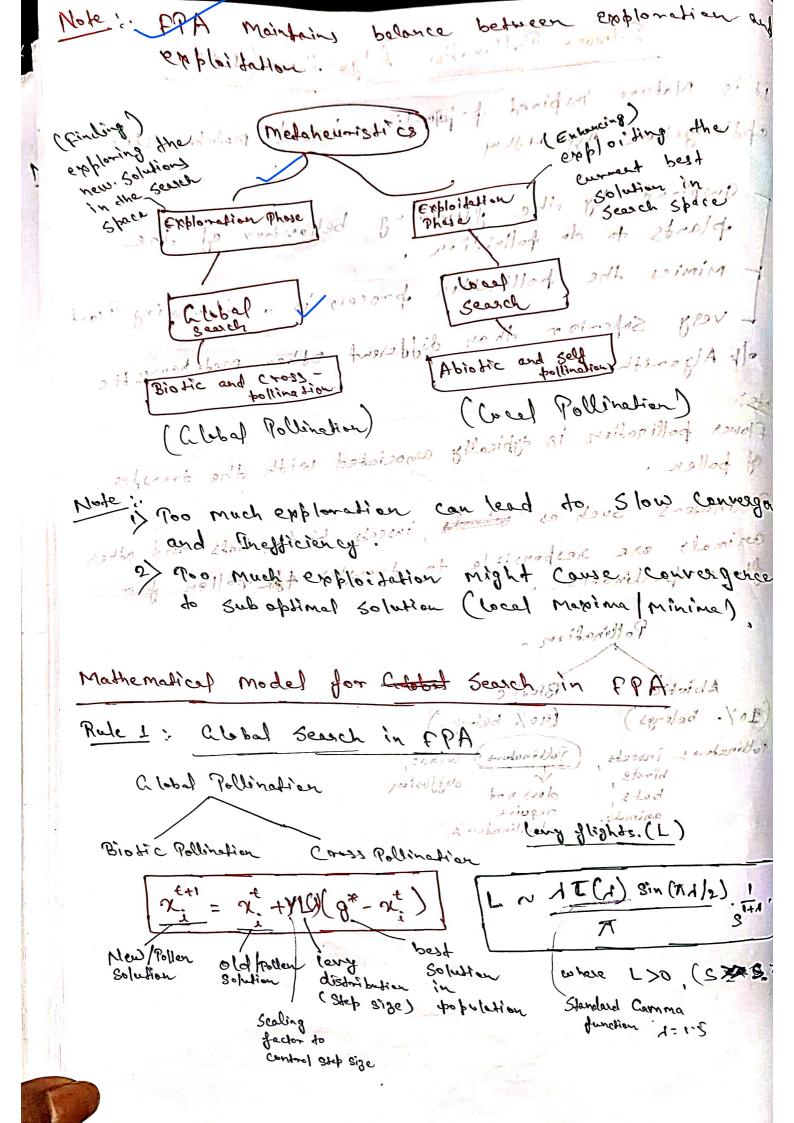
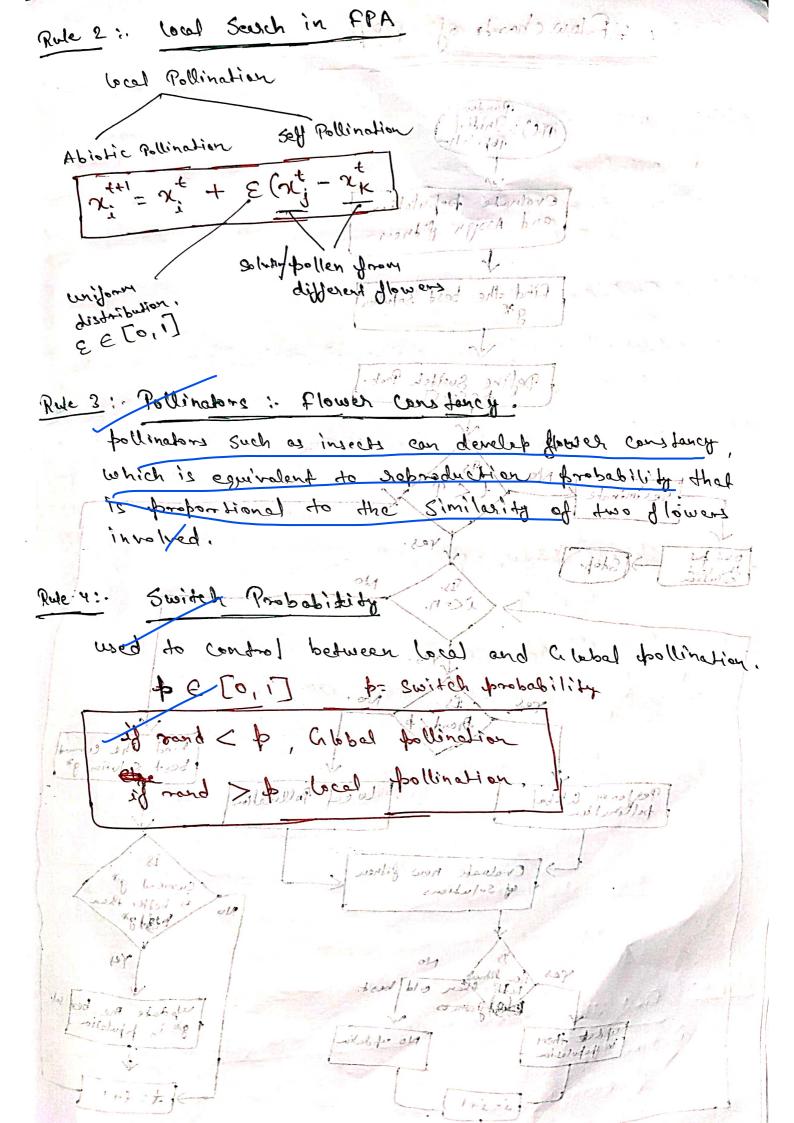
Flower Pollination Algorithm (tPA) It is Nature inspired population based medaheuristie offinization Algorithm Ausbined by the flowering behaviour of the plants to do pollnition. Minice the pollination process in a glowering Plant Negy Superior than didderent other medaheurs tic olt Algorithmisoff has stidely Note: (souther los (south of lode)) Elower pollination is typically associated with the transfer of foller. Pollinabor Such as best no insection birds ; bats and other arimals ere responsible to transfer the bollen for l estimat solution (100) minima las Hower woo Windlion, Pottination. Bioticos total por labor forison, thorn Abiotic ? (90% belogs), it week Lideld : 1 shift (10% belongs) Pollindons) winds, Pollineton: insects reflexitles bode) diffusion binds, does not bats, require 1). highly pollinators. Howillog. 2000 1 (dh) 018 (D) Ih us J / (to - 18) (214 to = Pellon old point long TEX2) OLS DISKED ON THE POR without interb (Stop 9:30) Hopelation Stanford Course pridood. of rola2/5 28:3 4-10 looking)





Flow chards of reflorables fis Populal Evaluate population and Assign filmers Many rolled framp Find the best Solution 8* Deline Switch Porb. genelate flered constance read or No vo t < T , bouloval yes. > Stop. 190 Ds. JC= N. between will and a label dollination Hilliandord, No. 13 Brand Ct Find the cu best solution 8* to cap Pollination Personn alabel Evaluate new fitner current 8th of solutions is better the No pest 8* 79 40 gh in population update they No wholin in topulation 127= += 16 ノナえこん

Algorithm. of FPA 1. objective min | max f(n), x = (n, 12 2/3 My - - , Nd) 2. Initialize a population of n flowers pollen garder with Sandon Solution. 3. Find the best solution got in the initial Solution Define a Switch probability & E [0] 10 300 (2 while (of < Man Conemation) 19 log coursely a Girls Jan 1=1: N (for all n flowers in the population) if rand < b Draw a (d-dimensional) Step vector Lymon a a ched pollingto ilogit entit plett Distribution else else from a uniform distribution to form to the sind in Co, of Do Cord Spollindian 241 200 + E(xt - xt) endail. 13. [1,0] 34 14 . Exevolute new solutions 15. redon Solutions are better update their in population endfor 11. 17 rand welle Find the current best of Solution got lls 1009 if currend 8th are better bette best solution 8th in 1 20 end while to get dete (terricians as) a custo topulation Marilander the best Solution for output book to [1,0] vi soiledocher G , and in proof aure Exertify without of wolf stendors (& in the sold be settled are contined work to estado de por con esta esta de de la composição de la com That the every fort solution go in populations

A ?? To hoop A FPA Algoridhma stebs opice five min men shippies remails in to railaborated a secondaria Step 1: In Holization 2) Initable Parameters. En too Thistory and boils.
2) Initable Population History Thistory 2) - n dlowers Holen ganetes with random solution Step 2: Evaluate didness of (2th) ab -h) a cond I caloulated the fithers value of each flowers in popular 2. Find the best Solution of in the crimital of of water Step 3: Deline a Swideh probability 1628×9 DE [0,1] ENChapte New Solution Step4: - Check for Stopping contenta motion . 21 t c T of all the Miglowers in spopulation 11 81

will of head Sto Switch phoboloticly (p) have to PI Steps: Plated & Draw a (de dimensional) 38ep vector pluparine a length disky Perform bobal tollhatron; ofthe tox to L(8x-9x) 2) If rond Switch frobability (b) Duan from anthona Dichripmen in Co'il 3) Evaluate New Solutions githreas 4) If now solutions are botter than old solutions, then update or else does no need to update Step 6: Find the current best Solution gitt in dopolation 1) Find the current best solution 8th in the population 2) If current best solution 8# 19 better the 3) upolaté best solution 870. in 4) tette go output