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> Swarm optimigation :

Step 1 Initialize group of particles with position and velocity

Step 2 Evaluate pBest for each particle
Compare the pBest with the current position
if current position is Best update the pbest position
else retain same

Step 3 then assign pbest to gbest
Now the gbest is updated on best pbest position

Step 4 Compute the velocity from previous velocity, distance from pbest & distance from gbest

Step 5 update the particle position
Iterate till all the particle reach its target

> Pseudo code:

For each particle
Initialize particle
End
DO
For each particle
Calculate fitness value
If the fitness value is better than the best value (pbest)
set current value as the new pbest
End
Choose the particle with with best fitness valble of all the particle as the gbest
For each particle
Calculate particle velocity a/c eq^{n}
update particle position a/c eq^{n}
end

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Minimizing the total cost of a Delivery Route