Sort Zelessi Algoritmosi
L) Fire fly Algorith. (FA)
-> Xin-She Youf 2007 Judida.
-> your some deviousdir.
sisik gogentizer, ugentizer tenest eds Lynd Eader pilder old con.
Melosezpsel Alpacihn => ögren;
An tone obstings. $S(A) = 0.$
I = $J_0e^{8r^2}$ , $\beta = \beta e^{-8r^2}$
to, ruen & rasted obsorpsiger.  I mesode mesode
Bo - shelizialita.

jorif sonnye fore youlds jolor. Le hereket enlechse yer glegtstrichter burna xi new  $X_i^{\text{new}} = X_i + \beta_0 e^{-y_1^2} (X_i - X_j) + \lambda k_i$   $= X_i + \beta_0 e^{-y_1^2} (X_i - X_j) + \lambda k_i$   $= \lambda_0 e^{-y_1^2} (X_i - X_j) + \lambda k_i$   $= \lambda_0 e^{-y_1^2} (X_i - X_j) + \lambda k_i$   $= \lambda_0 e^{-y_1^2} (X_i - X_j) + \lambda k_i$   $= \lambda_0 e^{-y_1^2} (X_i - X_j) + \lambda k_i$ (-1,1) -> nerege brocket edecejini jasterigar. d(x) -> amon Sonles; por yallosh olar soner verclism y = f(x) Jugenth Ly; rates bingen Konumu. Jugenth = (xg, x2, x3, ---, xd] -> satir vehtorson. La Level (T) eglysne som eyligh Ellaylin Mini Mik -f(Z), ZERd boslongula be bests a bot by some de j

Bir atesbiren konsmu (x?) bir optimistisjan probleming itersjon ynda yineleme kullanibehtir. X-inci atesbigon t-inci ginelenses -> X;(t) Xi2 Xi,2 X; 1 0.20 y=f(x) x;t----d Sminima edn konsinder.  $X_{i}^{t+1} = X_{i}^{t} + \beta_{0} e^{-8\Gamma_{i}^{2}} (X_{j}^{i} - X_{i}^{t}) + \Delta \tilde{\epsilon}_{i}^{t} \begin{cases} \text{bir soncode} \\ \text{koungal dojes.} \end{cases}$ Po -> Gelirity batsous 8 - 1 sojurna lestsfus, (ij = ||x: -xj|| = \frac{d}{(x: \(\circ\) - \(\circ\)} \frac{6 \(\circ\)}{\(\circ\)} \frac{6 \(\ foe sins of felerally tormide gelim fix vea gelreligi. rij=0 sse B=Bo dr. X: -> xj & Borboyle Ash popling Dus

8-10 gilse Bo-10 slor & sols for how gibids. Li sémore - maimm de clar. Sómore le lest derfede donnes jerelantedo. 813 =1 -> 8= L-2 Ly -5 ile +5 asda Lyssyosa L=10 olar. 8 = 1/102 = 0.01 olu. 870 - Bo=1 plus. 8 => 0.01 xgal 1.0 Syer dinger. X; t+1 = Y; t + Boe Ym (x, t-x; t) + LE; L - bojoket , arana bilgerich aller, bojoh Gesid.