Heroraal fec' f(x) - min  $x \in \mathbb{R}^n$ IRMI . IK + LK dK, IK, dK & Rh LEER+ dr = argmin & (xx. + Ldx) 4(2):- f(xx + 2dx) 4'(0) < 0 : Barson dx. Jacobie · 4(L) 4(0)+G Lx 4(0) Yar. Sp. .. You Spri. 4(dr) \$ 4(0) + C, dr 4'(0) (, e(O,1)

Yarobue Byregoa: 4'(dx) 3 Cx 4'(0) - arasoe. Lee (0,1) δ) (4'(dx) (5 (2 | 4'(o)) 1h 4(d) eC', 4'(0) co, 4(d) = -co, td 0 < C, 5 C2 < 1 => 7 2, 490 bet. 4006. Spulle a Byll gog 9(d) = 9(0) + 4(0) · d + 0(d) < 9(0) + C.4(0) = (1-C.) 470/2 + ō(2) < 0 /:2) s (1-C,) 4'(0) + 5(1) < 0.

Troyeggha back Loacking do : = dstart. While 4(2) = 4(0) + C. 2 4(0) d = B.d end while 20 = 0; 2max = 0, 2, e(0; 2max) no bropil F6: ecu 4(Li) > 4(0)+ ( Li 4 (0) mell 9(di) > 4 (dir,), 00 dr = (ym (di-1, di) eau /972.) | 5 (2/4/0), vo dx-di, blixog. eau 4'(di) 30, 00 dxs Cymercue (di diri) bushave der e ( L. dmax)

Greence (Lea Lai) Matira La e (Llo, Lh.) C nomembro utisepronalyment barr. 4 (Ls) eau 4(do) = 4(0)+ Cr do 41(0) u 4(do)= 70 dhe - 22. eau 4 (23) (2/2-2/2) = 0, 00 kh. = 2/2.