I-RegulaFalsi O-1 fa=fa\*fb/(fb+fx);

>> '##### 1'

root = [1]

t = 8

>> f(root)

ans = [0]

>> '##### 2'

root ⊂ [0.3994222917109681, 0.399422291710975]

t = 10

>> f(root)

ans ⊂ [-5.551115123125783e-17, +4.98212582300539e-15]

>> '##### 3'

root ⊂ [0.8041330975036642, 0.8041330975036644]

t = 15

>> f(root)

ans ⊂ [-1.221245327087673e-15, +6.66133814775094e-16]

>> '##### 4'

root = [-1]

t = 9

>> f(root)

ans = [0]

>> '##### 5'

root ⊂ [2.094551481542326, 2.094551481542327]

t = 10

>> f(root)

ans ⊂ [-3.552713678800501e-15, +6.217248937900877e-15]

>> '##### 6'

root ⊂ [0.138257155056824, 0.1382571550568241]

t = 8

>> f(root)

ans ⊂ [-2.220446049250314e-16, +4.440892098500627e-16]

>> '##### 7'

root ⊂ [0.06931408868702346, 0.06931408868702347]

t = 9

ans ⊂ [-4.440892098500627e-16, +2.220446049250314e-16]

>> '##### 8'

root ⊂ [0.03465735902085384, 0.03465735902085385]

t = 9

ans ⊂ [-4.440892098500627e-16, 0]

>> '##### 9'

root ⊂ [0.03840255184062189, 0.0384025518406219]

t = 9

>> f(root)

ans ⊂ [-3.33066907387547e-16, +1.110223024625157e-16]

>> '##### 10'

root ⊂ [0.009900009998000499, 0.0099000099980005]

t = 8

>> f(root)

ans ⊂ [-3.33066907387547e-16, +1.110223024625157e-16]

>> '##### 11'

root ⊂ [0.002493750039062011, 0.002493750039062013]

t = 8

ans ⊂ [-1.110223024625157e-16, +3.33066907387547e-16]

>> '##### 12'

root ⊂ [0.345954815848242, 0.3459548158482421]

t = 8

ans ⊂ [-9.71445146547012e-17, +8.326672684688675e-17]

>> '##### 13'

root ⊂ [0.2451223337533071, 0.2451223337533073]

t = 11

>> f(root)

ans ⊂ [-9.020562075079397e-17, +4.163336342344338e-17]

>> '##### 14'

root ⊂ [0.1649209572764409, 0.164920957276441]

t = 12

>> f(root)

ans ⊂ [-7.632783294297952e-17, +3.469446951953615e-18]

>> '##### 15'

root ⊂ [0.003617108178904063, 0.003617108178904064]

t = 7

>> f(root)

ans ⊂ [-1.110223024625157e-16, +5.551115123125783e-16]

>> '##### 16'

root ⊂ [0.0001514713347838913, 0.0001514713347838914]

t = 7

>> f(root)

ans ⊂ [-7.771561172376096e-16, +1.110223024625157e-16]

>> '##### 17'

root ⊂ [7.668595122185337e-06, 7.668595122185338e-06]

t = 6

>> f(root)

ans ⊂ [-1.110223024625157e-16, +5.551115123125783e-16]

>> '##### 18'

root ⊂ [0.5161535187579334, 0.5161535187579336]

t = 12

>> f(root)

ans ⊂ [-7.632783294297952e-17, +2.081668171172169e-17]

>> '##### 19'

root ⊂ [0.5395222269084157, 0.5395222269084159]

t = 14

>> f(root)

ans ⊂ [-5.637851296924624e-18, +3.903127820947816e-18]

>> '##### 20'

root ⊂ [0.5527046666784783, 0.5527046666784879]

t = 20

>> f(root)

ans ⊂ [-3.894657491475273e-18, +2.032879073410321e-20]

>> '##### 21'

root ⊂ [0.4099920179891371, 0.4099920179891372]

t = 8

>> f(root)

ans ⊂ [0, 5.551115123125783e-17]

>> '##### 22'

root ⊂ [0.4525091455776412, 0.4525091455776413]

t = 8

>> f(root)

ans ⊂ [-5.551115123125783e-17, 0]

>> '##### 23'

ans = ##### 23

>> f = @(x)x^2+sin(x/20)-1/4

root ⊂ [0.4756268485960624, 0.4756268485960625]

t = 8

>> f(root)

ans ⊂ [-2.775557561562892e-17, +5.551115123125783e-17]

>>