J(0) V/S # iteration looks like Hus means & (i e learning nate is too large) and 10) doc" the value of a # iterations 500) This wight also happen the code have bugs) this wight when r is large o ->

A sis large # iterations or sufficiently small x, J(0) should decrease on every iteration (throrem) > But if a ietoo small then, can be slow to converge Jumary => x is foo small >> slow convergence > x is too large => 510) may not Converge with every iteration as it. dois decrease or convergence may happen but slowly. (X==,0.001, 0.01,0.1, -, 1 - 50 cm)