1. y^ = wx+b

L = (y^-y)^2

Lw = 2x(y^-y)

Lb = 2(y^-y)

y^ = 0x+0 = 0

w0 = 0 - 0.1\*2\*6.7\*(0 - 9.1)=12.194

b0 = 0 - 0.1\*2\*(0-9.1)=1.82

y^ = 12.194\*4.6+1.82= 57.9124

w1 = 12.194 - 0.1\*2\*4.6\*(57.9124 - 5.9) = -35.657408

b1 = 1.82 - 0.1\*2\*(57.9124-5.9) =-8.582

y^ = -35.657408\*3.5 -8.582 = -133.382928

w2 = -35.657408 - 0.1\*2\*3.5\*(-133.382928 - 4.6) =60.931

b2 = -8.582 - 0.1\*2\*(-133.382928 - 4.6) = 19.0145856

y^ = 60.931\*5.5 + 19.0145856 = 354.1350856

w3 = 60.931 - 0.1\*2\*5.5\*(354.1350856 - 6.7) = - 321.2475942

b3 = 19.0145856 - 0.1\*2\*(354.1350856 - 6.7) = -50.47243152