```
1
     import numpy as np
 2
 3
     i=1.5
 4
 5
     W_0=0.8
 6
 7
     y = 0.5
 8
 9
     r=0.01
10
11
     def dc_dw(a,y,i):
12
       dc_da=2*(a-y)
13
14
15
       da_dw=i
16
17
       return dc_da*da_dw
18
19
     w=[w\_o]
20
21
     a=[w_o*i]
22
23
     for j in range(0,100):
24
25
       a.append(w[-1]*i)
26
27
       w.append(w[-1]-r*dc_dw(a[-1],y,i))
28
29
       if(a[-1]-y)**2<0.001:
30
31
         break
32
33
     print(a)
34
     print(" ")
35
36
37
     print(w)
     [1.20000000000000, 1.2000000000000, 1.1685, 1.1384175, 1.1096887125000001, 1.082252
С>
      \lceil 0.8,\ 0.779,\ 0.758945,\ 0.739792475,\ 0.721501813625,\ 0.704034232011875,\ 0.687352691571346 \rceil
```

✓ 0s completed at 12:55 AM

×