```
learn rate = 0.05
epoch = 20
for i in range(1,epoch+1):
    loss = out-1
    w out = w out-learn rate*loss*z1.reshape(-1)
    w l1 = w l1-learn rate*loss*inputs*w out
    z1 = np.dot(w l1, inputs)
    out = np.dot(w out, z1)
    print(out, i)
 [0.3333145] 1
 [0.42335661] 2
 [0.51920946] 3
 [0.61479954] 4
 [0.70360506] 5
 [0.7804411] 6
 [0.84266825] 7
[0.89027026] 8
[0.92504654] 9
[0.94957687] 10
 [0.96644325] 11
 [0.9778333] 12
 [0.98543068] 13
 [0.99045623] 14
 [0.99376213] 15
 [0.99592884] 16
 [0.9973455] 17
 [0.99827028] 18
 [0.99887334] 19
 [0.99926634] 20
```