第一次：

training\_epochs = 50

learning\_rate = 0.001

batch\_size = 10

Test\_loss:112.3135

<tf.Variable 'Variable:0' shape=(12, 1) dtype=float32, numpy=

array([[ 0.17487349],

[ 0.6402361 ],

[-0.37250844],

[ 0.64853036],

[-2.0262554 ],

[ 1.5655348 ],

[ 0.26442403],

[-1.0955917 ],

[ 0.6867023 ],

[-0.6858508 ],

[-2.4942656 ],

[-0.8511872 ]], dtype=float32)>

<tf.Variable 'Variable:0' shape=(1,) dtype=float32, numpy=array([24.262827], dtype=float32)>

第二次：

training\_epochs = 100

learning\_rate = 0.01

batch\_size = 10

Test\_loss:149.2627

<tf.Variable 'Variable:0' shape=(12, 1) dtype=float32, numpy=

array([[ 0.8458338 ],

[ 0.19555312],

[-0.6489891 ],

[ 0.563657 ],

[-3.7407248 ],

[ 1.0538908 ],

[ 0.32548574],

[-1.8630238 ],

[ 0.48690486],

[-0.42936382],

[-3.0790918 ],

[-1.0913281 ]], dtype=float32)>

<tf.Variable 'Variable:0' shape=(1,) dtype=float32, numpy=array([25.641026], dtype=float32)>

第三次：

training\_epochs = 1000

learning\_rate = 0.001

batch\_size = 10

Test\_loss:145.1672

<tf.Variable 'Variable:0' shape=(12, 1) dtype=float32, numpy=

array([[ 0.8912913 ],

[ 0.33490506],

[-0.5636672 ],

[ 0.6415303 ],

[-3.73089 ],

[ 1.1694874 ],

[ 0.25499907],

[-1.9539981 ],

[ 0.55310595],

[-0.4536689 ],

[-3.052552 ],

[-0.82717294]], dtype=float32)>

<tf.Variable 'Variable:0' shape=(1,) dtype=float32, numpy=array([25.49988], dtype=float32)>

第四次：

training\_epochs = 100

learning\_rate = 0.005

batch\_size = 5

Test\_loss:145.0974

<tf.Variable 'Variable:0' shape=(12, 1) dtype=float32, numpy=

array([[ 0.41501853],

[ 0.68813634],

[-0.93630004],

[ 0.6128634 ],

[-2.519508 ],

[ 2.0721452 ],

[-0.06483875],

[-2.5094612 ],

[ 0.22951841],

[-0.52068156],

[-2.7668216 ],

[-1.5408362 ]], dtype=float32)>

<tf.Variable 'Variable:0' shape=(1,) dtype=float32, numpy=array([25.543087], dtype=float32)>

第五次：

training\_epochs = 200

learning\_rate = 0.0005

batch\_size = 10

Test\_loss:136.0787

<tf.Variable 'Variable:0' shape=(12, 1) dtype=float32, numpy=

array([[ 0.29020333],

[ 0.2885908 ],

[-0.64415365],

[ 0.69968086],

[-2.180317 ],

[ 1.5975026 ],

[-0.06919503],

[-1.2852566 ],

[ 0.50730675],

[-0.5218967 ],

[-2.6796637 ],

[-0.6442877 ]], dtype=float32)>

<tf.Variable 'Variable:0' shape=(1,) dtype=float32, numpy=array([25.431242], dtype=float32)>