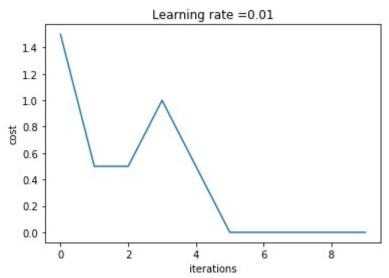
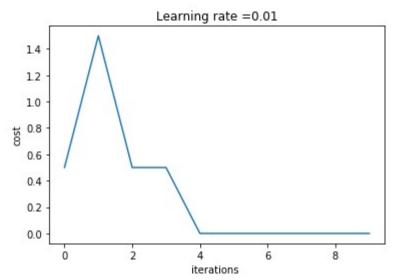
```
Python 3.7.4 (default, Aug 9 2019, 18:34:13) [MSC v.1915 64 bit (AMD64)] Type "copyright", "credits" or "license" for more information.
```

IPython 7.8.0 -- An enhanced Interactive Python.

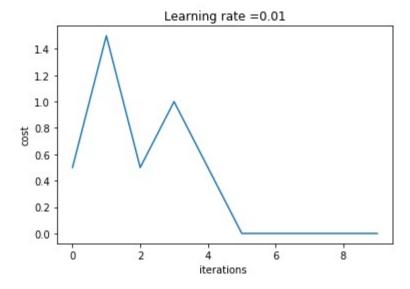
```
In [1]: runfile('C:/Users/shash/Downloads/NNGateModel.py', wdir='C:/Users/shash/
Downloads')
-----AND Neural Network Model-----
Cost after iteration 0: 1.500000
Cost after iteration 1: 0.500000
Cost after iteration 2: 0.500000
Cost after iteration 3: 1.000000
Cost after iteration 4: 0.500000
Cost after iteration 5: 0.000000
Cost after iteration 6: 0.000000
Cost after iteration 7: 0.000000
Cost after iteration 8: 0.000000
Cost after iteration 9: 0.000000
train accuracy: 100.0 %
w: [[0.01]
 [0.01]]
b: -0.0199999999999999
Y prediction train: [[0. 0. 0. 1.]]
Y train: [[0 0 0 1]]
```



```
Y_prediction_train: [[0. 1. 1. 1.]]
Y_train: [[0 1 1 1]]
```



-----NAND Neural Network Model-----Cost after iteration 0: 0.500000 Cost after iteration 1: 1.500000 Cost after iteration 2: 0.500000 Cost after iteration 3: 1.000000 Cost after iteration 4: 0.500000 Cost after iteration 5: 0.000000 Cost after iteration 6: 0.000000 Cost after iteration 7: 0.000000 Cost after iteration 8: 0.000000 Cost after iteration 9: 0.000000 train accuracy: 100.0 % w: [[-0.01] [-0.01]] b: 0.0199999999999997 Y\_prediction\_train: [[1. 1. 1. 0.]] Y train: [[1 1 1 0]]



In [2]: