```
In [2]:
         import numpy as np
 In [3]: def unitstep(v):
             if v>=0:
                 return 1
             else:
                 return 0
 In [5]: def PerceptronModel(x,w,b):
             v=np.dot(w,x)+b
             print()
             y=unitstep(v)
             return y
In [16]: def AND logicFunction(x):
             w=np.array([1,1])
             b = -1.5
             return PerceptronModel(x,w,b)
In [17]: | test1=np.array([0,0])
         test2=np.array([0,1])
         test3=np.array([1,0])
         test4=np.array([1,1])
         print("AND({},{})={}".format(0,0,AND_logicFunction(test1)))
In [18]:
         print("AND({},{})={}".format(0,1,AND_logicFunction(test2)))
         print("AND({},{})={}".format(1,0,AND_logicFunction(test3)))
         print("AND({},{})={}".format(1,1,AND_logicFunction(test4)))
         AND(0,0)=0
         AND(0,1)=0
         AND(1,0)=0
         AND(1,1)=1
 In [ ]:
```