Write a program in Python to implement NAND function using MP neuron.

Code:

```
w1 = int(input("enter the weight 1: "))
w2 = int(input("enter the weight 2: "))
theta = int(input("enter the theta:"))
inputarray = [[0,0],[0,1],[1,0],[1,1]]
expected = [1,1,1,0]
actual = []
for i in range(0,4):
   temp = inputarray[i][0]*w1+inputarray[i][1]*w2
   if(temp >= theta):
      actual.append(1)
   else:
      actual.append(0)
for i in range(0,4):
   if(expected[i] == actual[i]):
      found = 1
   else:
      found = 0
      break
print("Input array")
print(inputarray)
print("Actual output")
print(actual)
print("Expected output")
print(expected)
if(found ==1):
   print("assumed weights and theta are correct")
else:
   print("assumed weights and theta are incorrect")
```