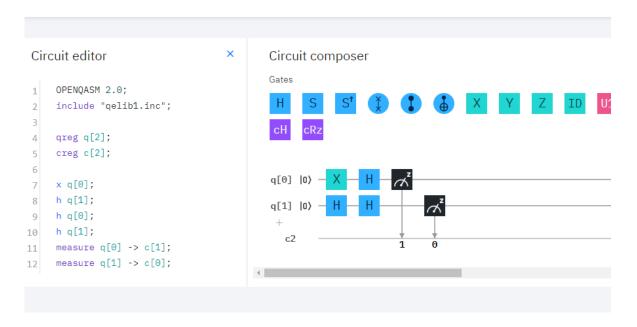
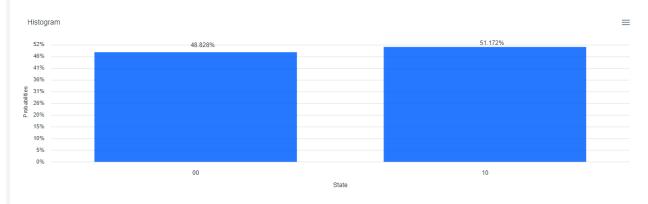
w Save Clear Delete OpenQASM Help Ititled Experiment



Circuit diagram



Result



```
def tensorVector(vector1, vector2):
    fin=[]
    for x in range(len(vector1)):
        tempo=[]
        for y in range(len(vector2)):
             tempo.append(multi(vector1[x], vector2[y]))
        fin.append(tempo)
    return fin
def tensorMatrices(matl, mat2):
   fin=[]
    for i in range(len(matl)):
        for j in range(len(mat2)):
              fin.append(tensorVector(matl[i],mat2[j]))
    return fin
escalar=1/2**(1/2)
matriz=[[(1,0),(1,0)],[(1,0),(-1,0)]]
x=[[(0,0),(1,0)],[(1,0),(0,0)]]
H=multiplicacion matriz Escalar (matriz, escalar)
print("HH producto tensor")
M2=tensorMatrices(H,H)
print (M2)
print ("H Tensor H")
M1=tensorMatrices(H,H)
multiMatrices=multiMatriz(M2,M1)
respuesta=multiMatriz (multiMatrices,x)
print(respuesta)
File Edit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
== RESTART: C:\Users\ASUS\Documents\CNYT\Calculadora complex\calculator.py ==
[[[0.7071067811865475, 0.0], [0.0, 0.0]], [0.0, 0.0], [0.0, 0.0]] [[0.0, 0.0], [0.0, 0.0]]
```