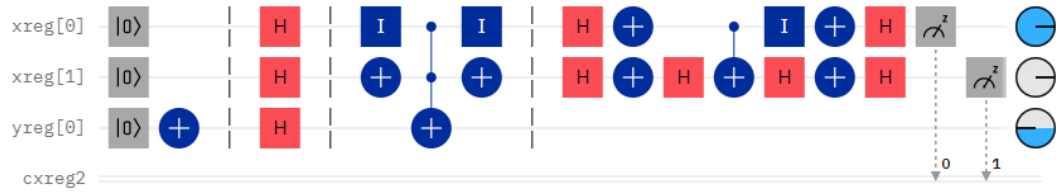
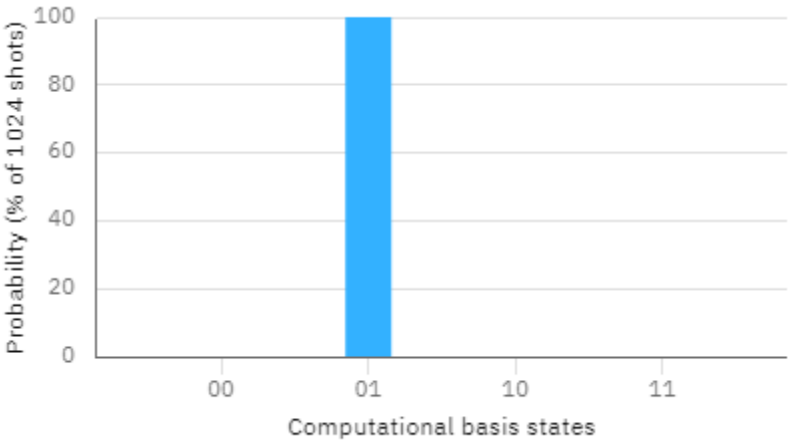
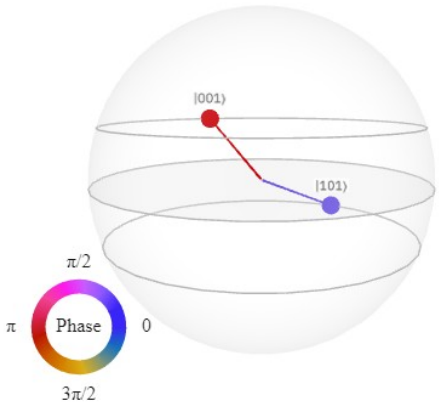
Algoritmo de Grover, Resultados.

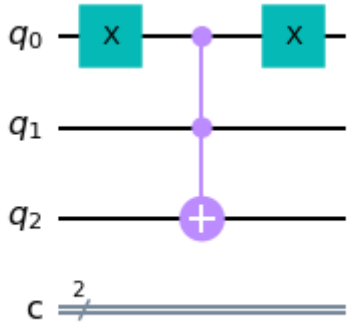
- Resultados Simulados del Qiskit Composer



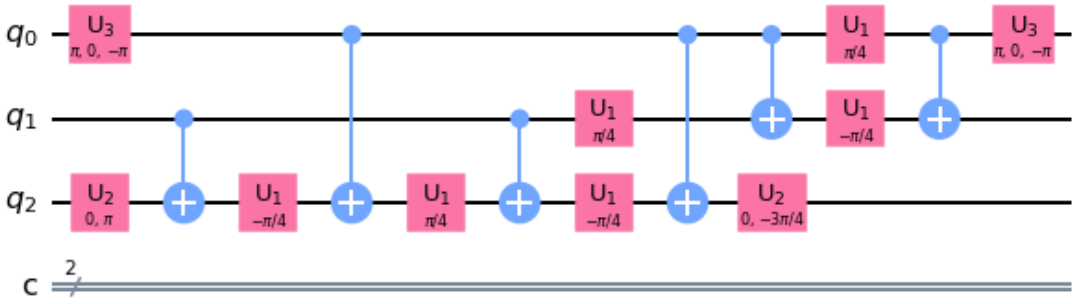




- Resultados Qiskit Lab Notebook Nº1:
  Circuito sin Transpilar

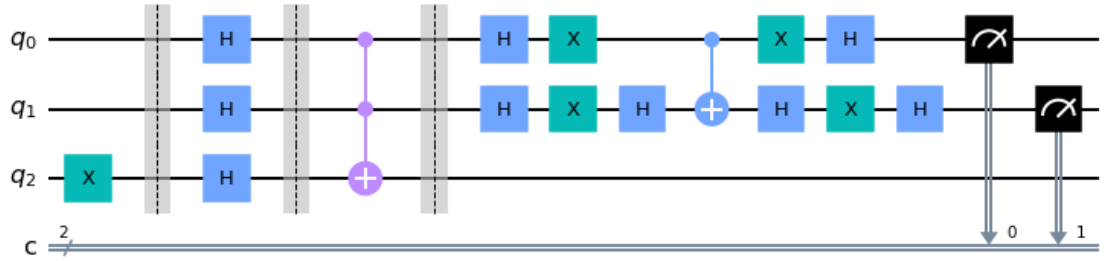


Circuito Transpilado

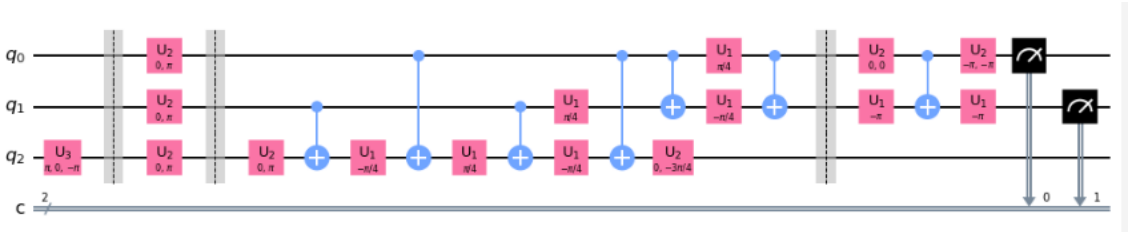


Notebook Nº2:

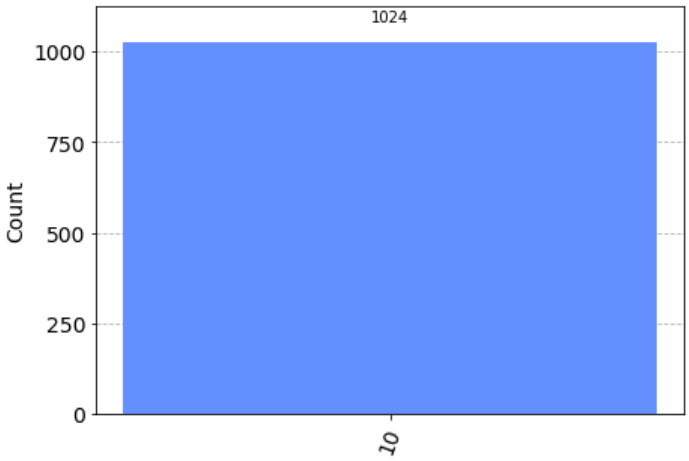
Circuito sin Transpilar



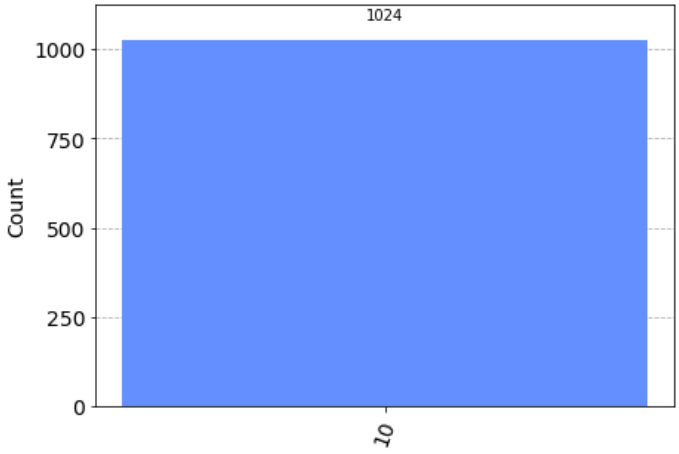
Circuito Transpilado



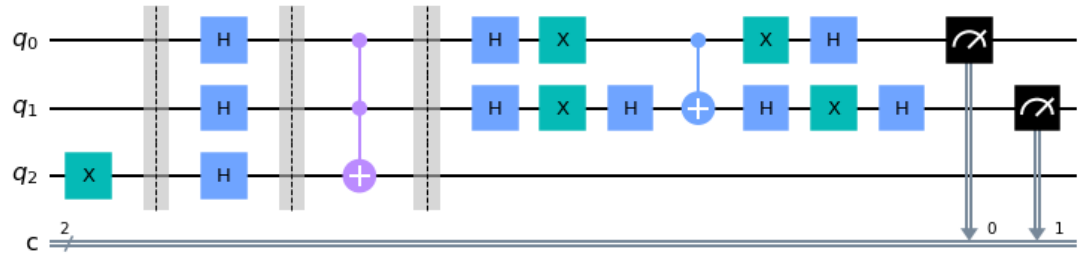
Simulación en el Aer_Simulator



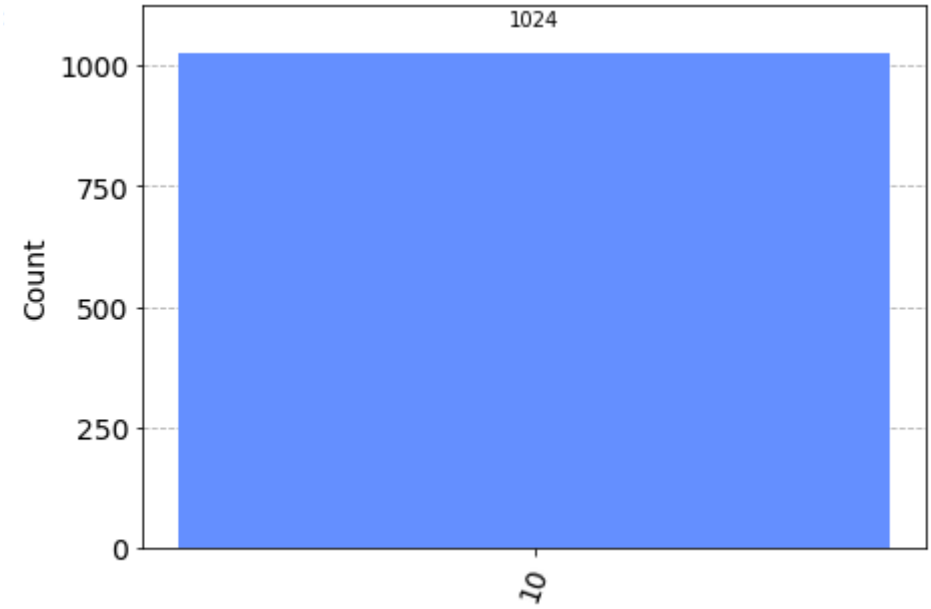
Ejecución en el procesador ‘ibmq_belem’



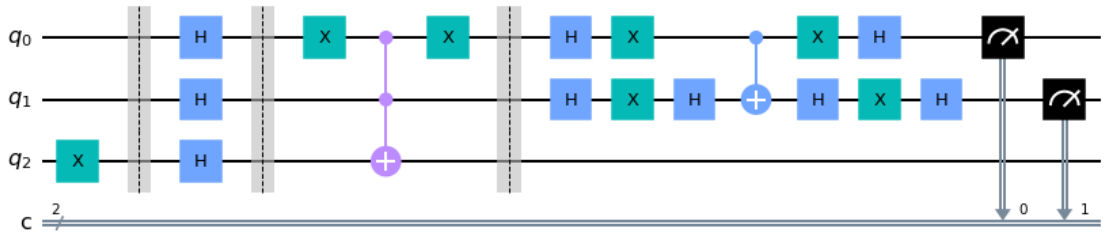
Notebook Nº3:
Circuito:



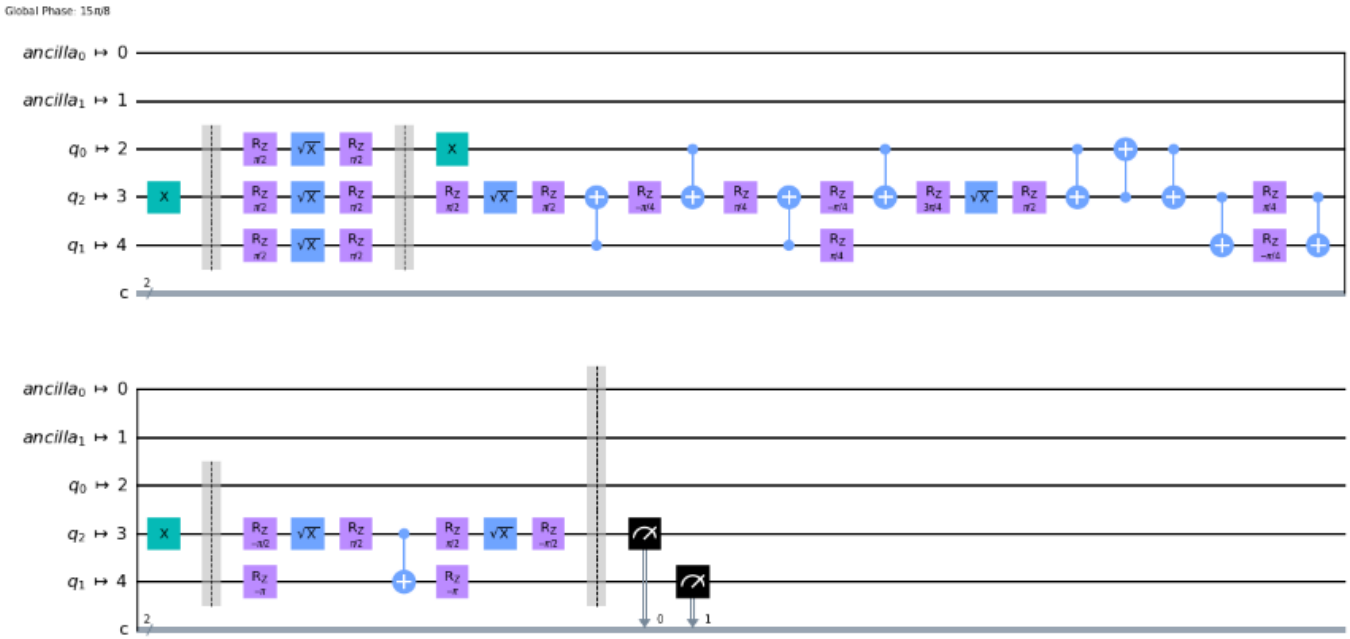
Simulación en el Aer_Simulator:



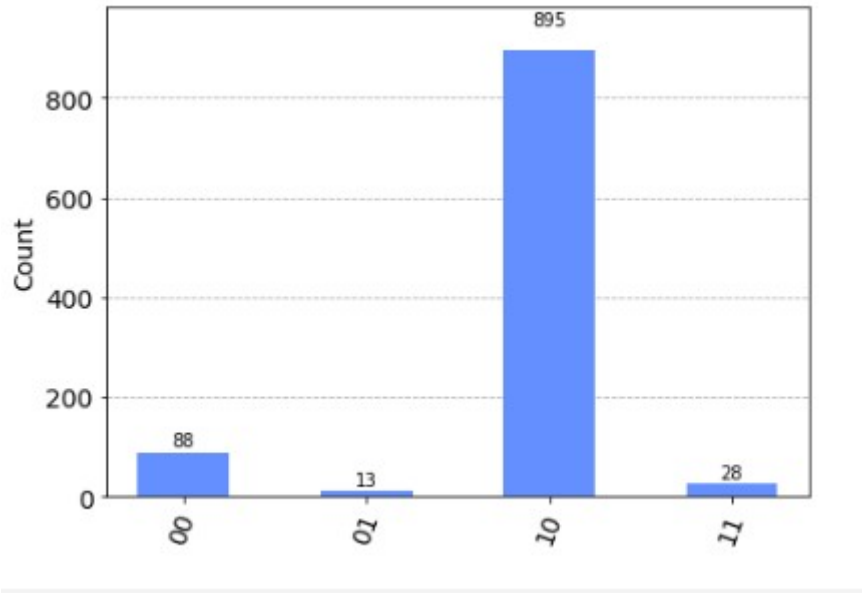
Circuito sin Transpilar (backend = FakeManilaV2):



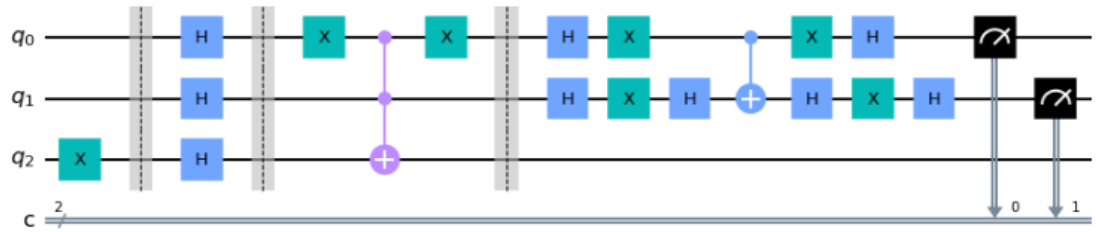
Circuito Transpilado (backend = FakeManilaV2):



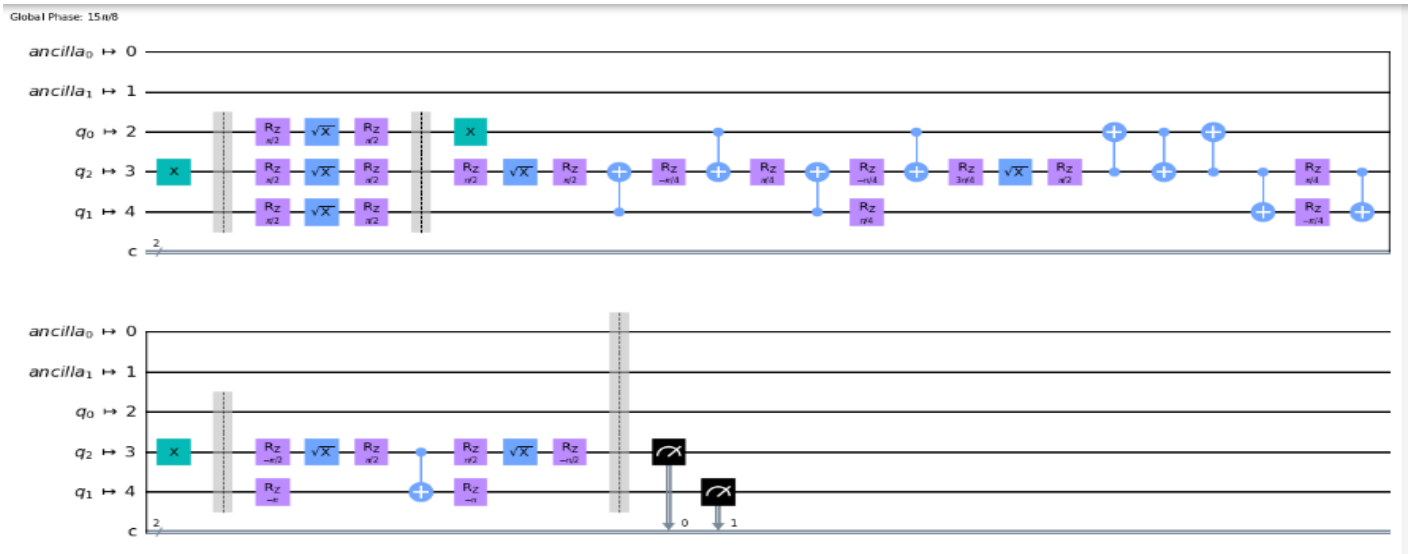
Simulación backend= FakeManilaV2



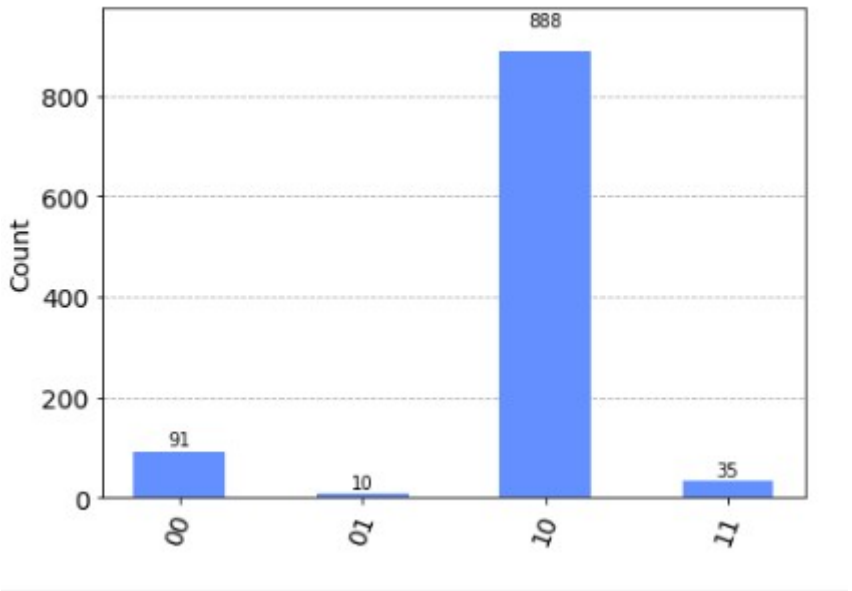
Circuito sin Transpilar (FakeManila):



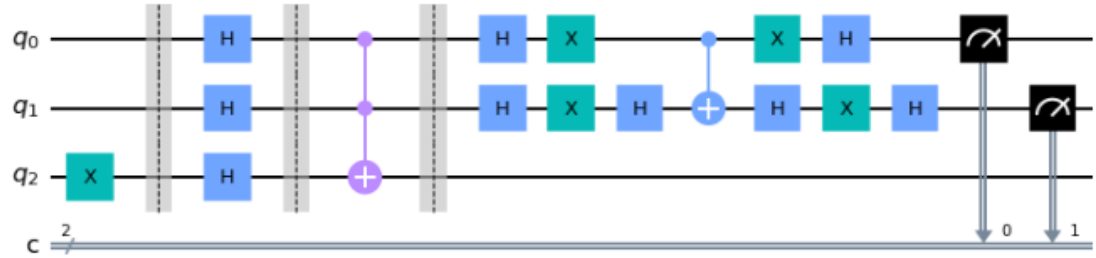
Circuito Transpilado (FakeManila):



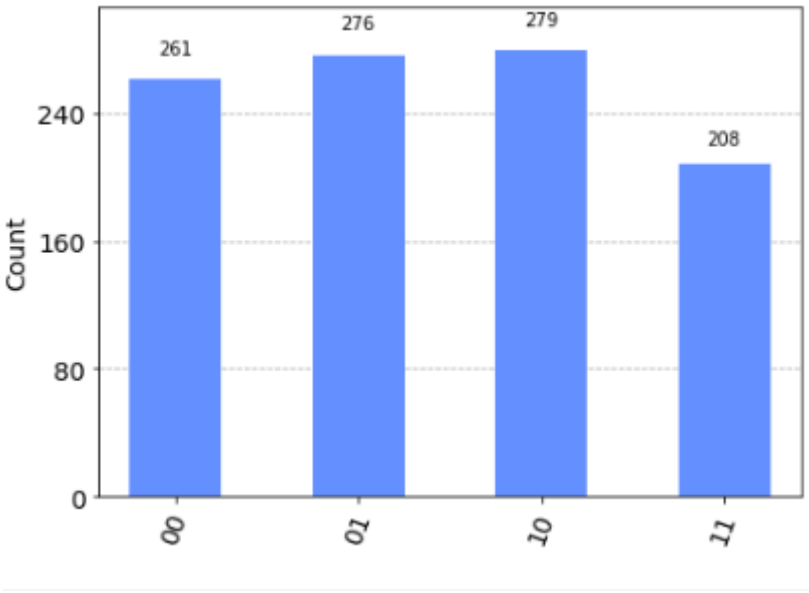
Simulación backend (Fake Manila):



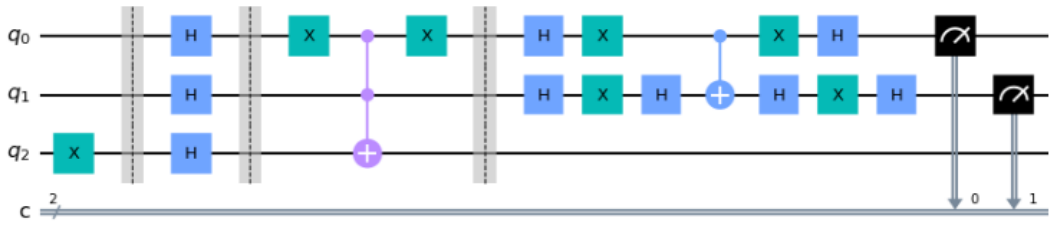
Circuito sin Transpilar (FakeOpenPulse2Q):



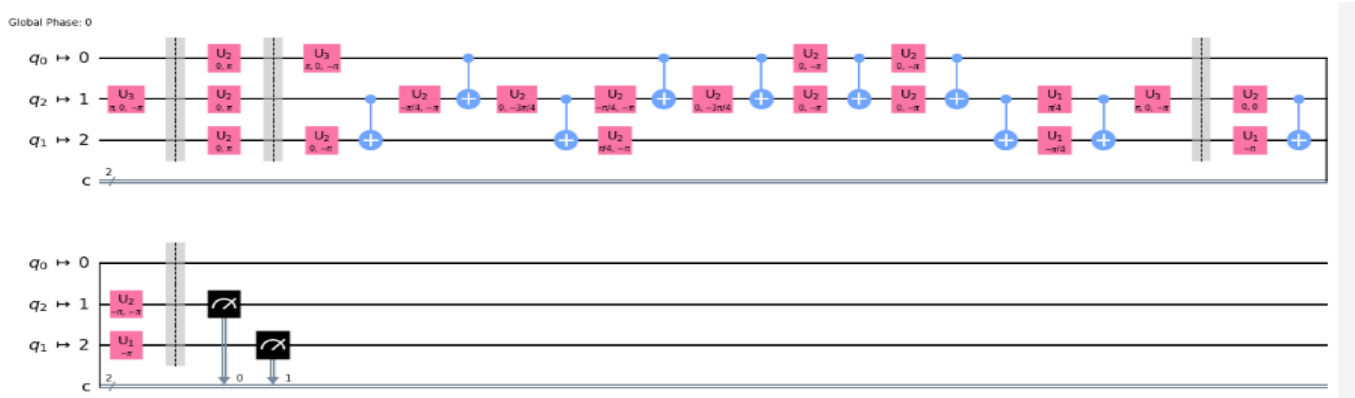
Simulación (FakeOpenPulse2Q):



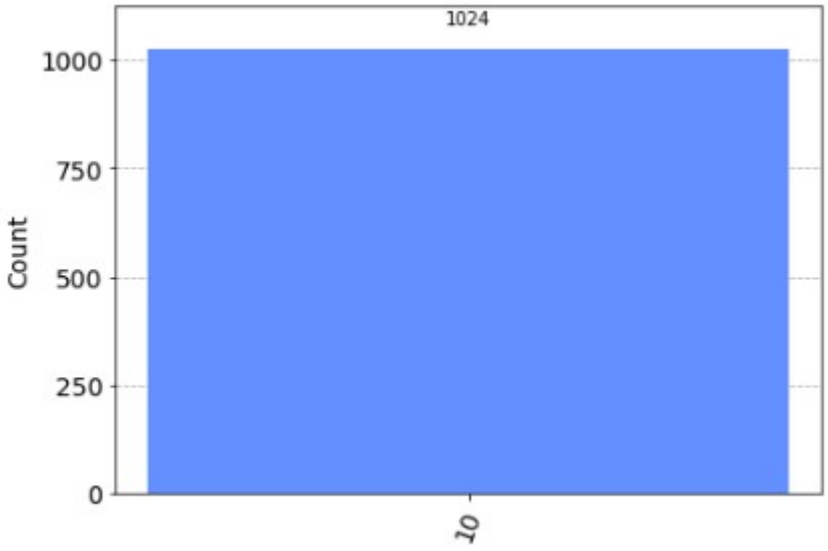
Circuito sin Transpilar (FakeOpenPulse3Q):



Circuito Transpilado (FakeOpenPulse3Q):

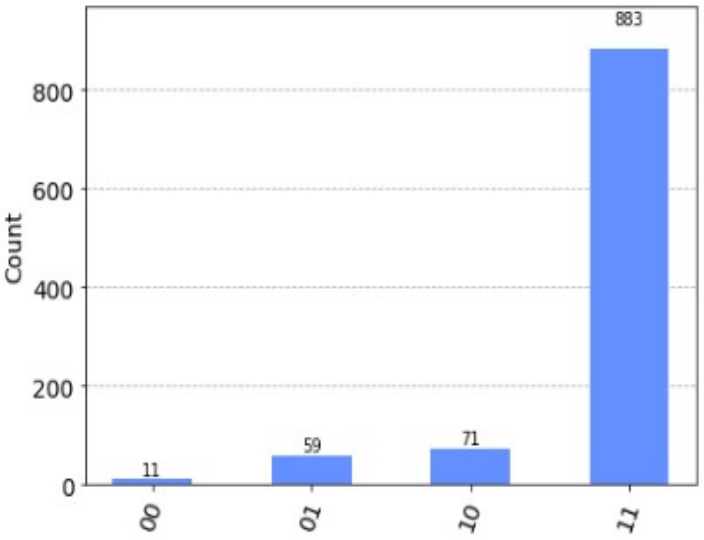


Simulación (FakeOpenPulse3Q):

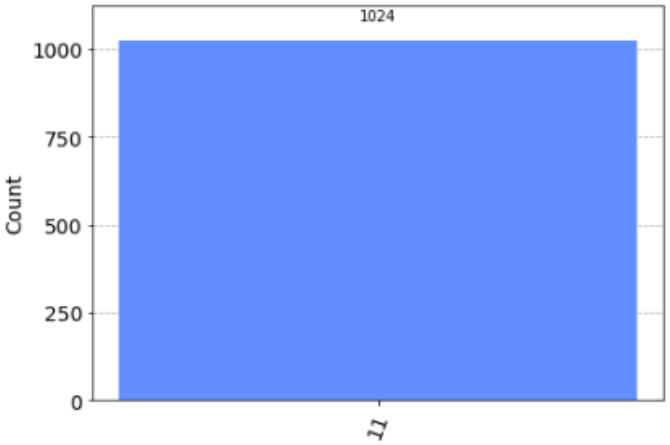


- Simulación del Circuito con qiskit pulse:
  Variando sigma:
  1) Sigma: 100/3

Backend=FakeManila

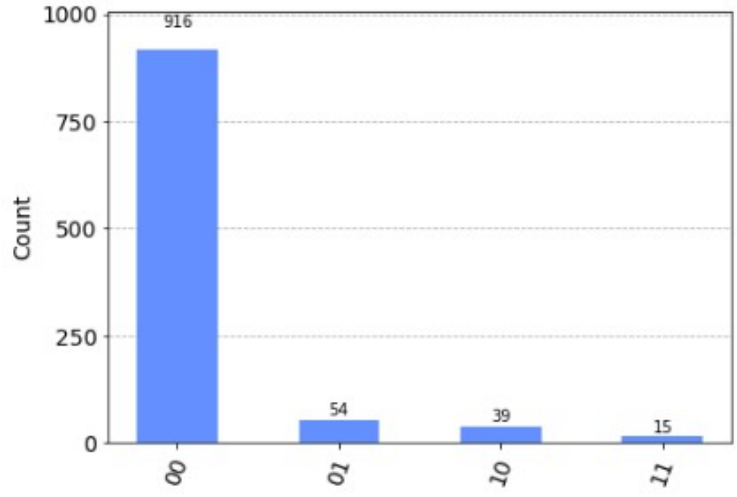


Backend=FakeOpenPulse3Q

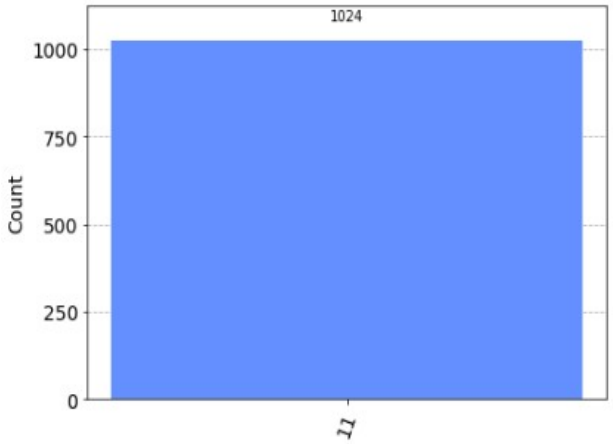


2) Sigma: 10

Backend=FakeManila

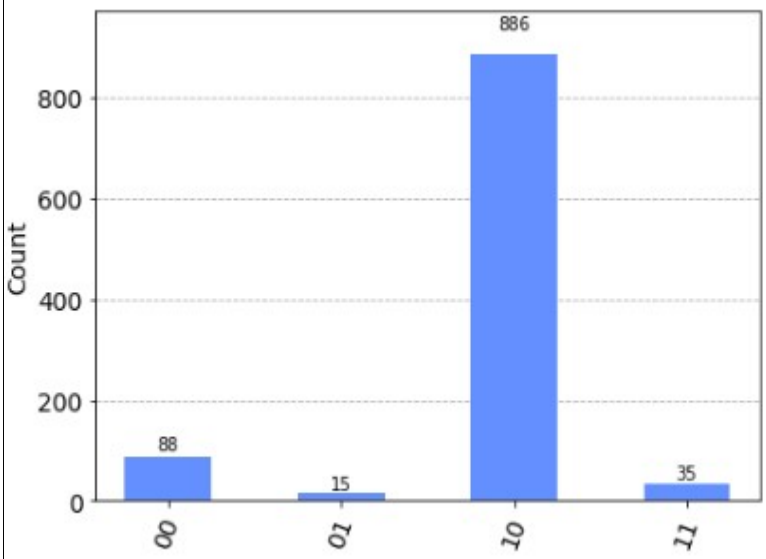


Backend=FakeOpenPulse3Q

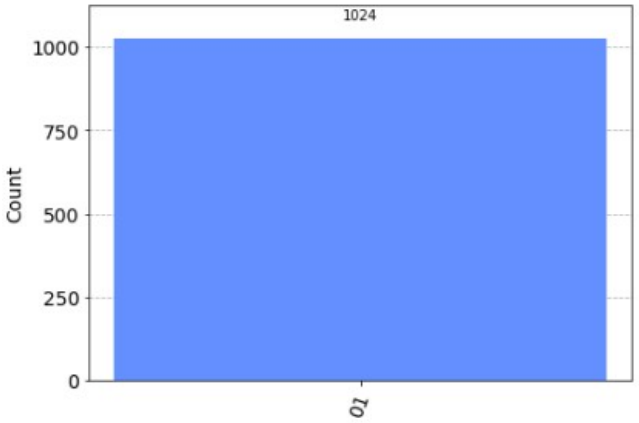


3) Sigma: 5

Backend=FakeManila



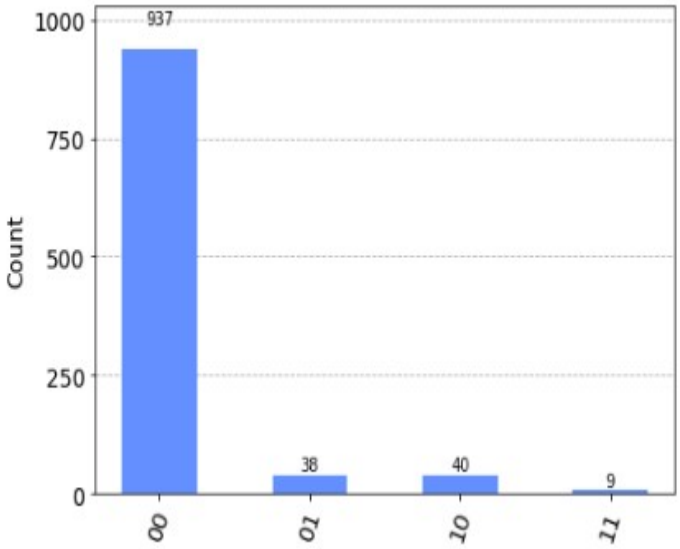
Backend=FakeOpenPulse3Q



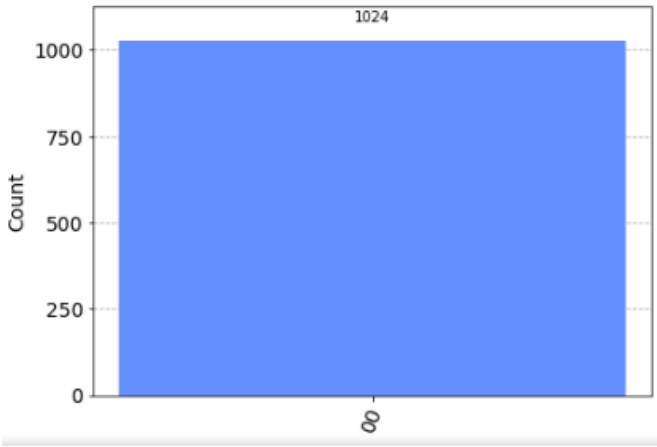
Variando la amplitud:

1) Amplitud: 0.1

Backend=FakeManila

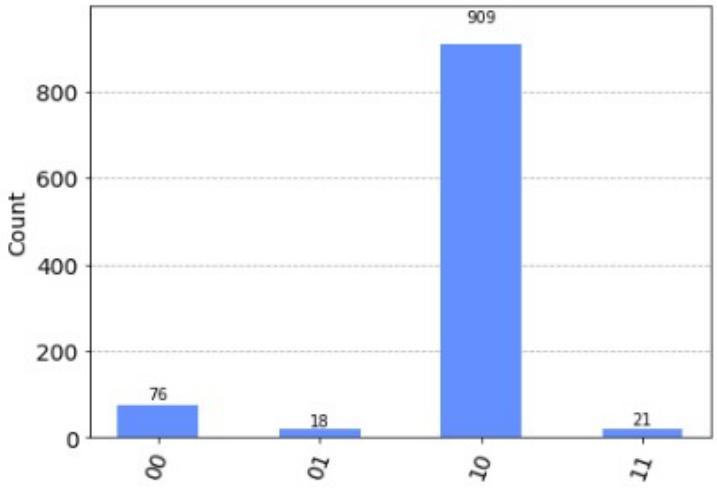


Backend=FakeOpenPulse3Q

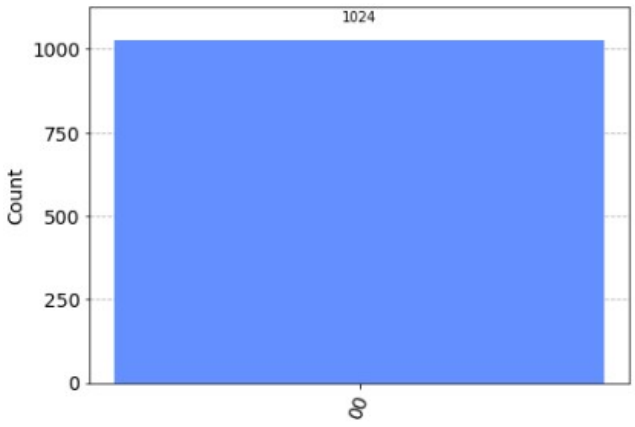


2) Amplitud: 0.3

Backend=FakeManila



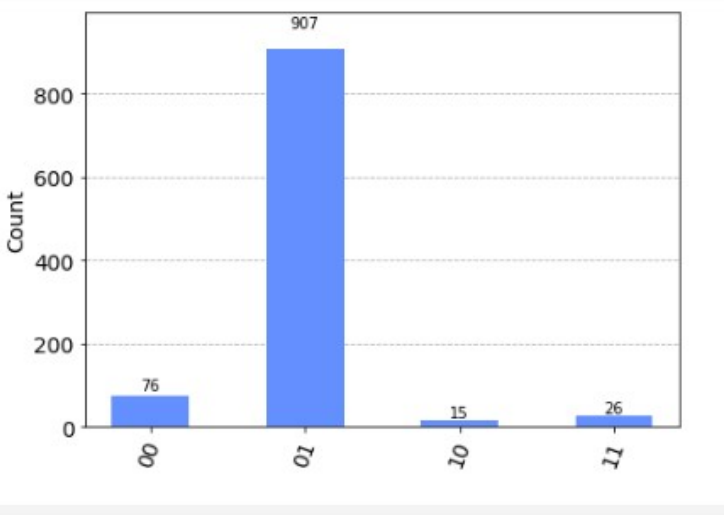
Backend=FakeOpenPulse3Q

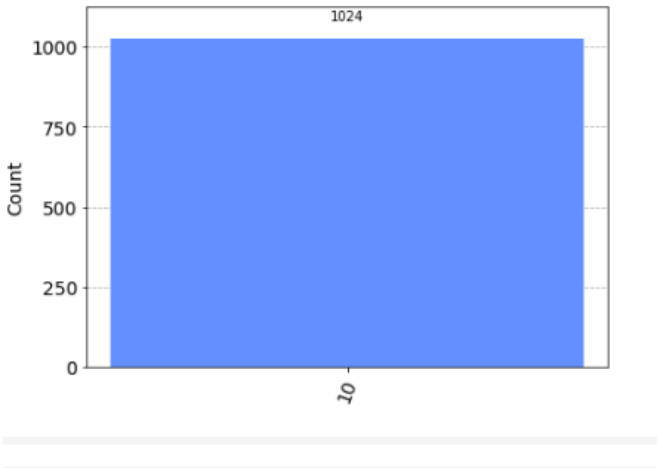


3) Amplitud: 1

Backend=FakeManila

Backend=FakeOpenPulse3Q


907
800
600
400
200
0
Count
76
15
26
00
01
10
11


1024
1000
750
500
250
0
Count
10