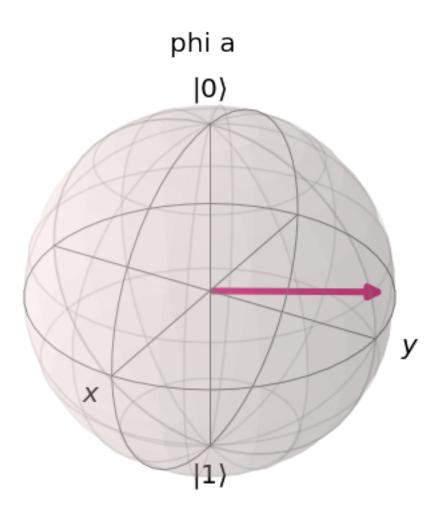
## Trabalho\_qiskit3

## September 11, 2021

[343]:



```
[336]: ### parte 1

qc = QuantumCircuit(3,2)

qc.ry(math.pi*(0.537),0)
qc.rz(math.pi*(8/11),0)

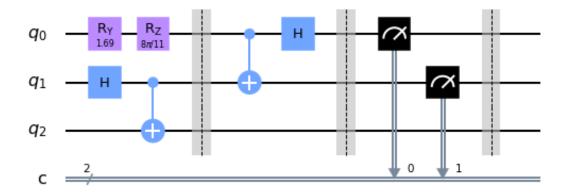
qc.h(1)
qc.cx(1, 2)
qc.barrier()

# protocolo
qc.cx(0, 1)
qc.h(0)
qc.h(0)
qc.barrier()
```

```
# medir os qubits
qc.measure([0,1], [0,1])

#qc.cx(1, 2)
#qc.cz(0, 2)
qc.barrier()
qc.draw(output='mpl')
```

## [336]:



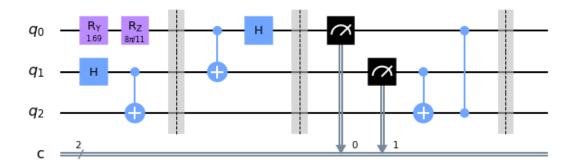
```
qc.cx(0, 1)
qc.h(0)
qc.barrier()

# medir os qubits
qc.measure([0,1], [0,1])

qc.cx(1, 2)
qc.cz(0, 2)
qc.barrier()

qc.draw(output='mpl')
```

## [339]:



```
[340]: backend = BasicAer.get_backend('statevector_simulator')
statevector = execute(qc, backend, shots=10000).result().get_statevector()

plot_bloch_multivector(statevector)
```

[340]:

