quantumalgo.py

quantumalgosim.py

The quantumalgo.py will work for the quantum circuit which have one slice and any number of qubits.

The quantumalgosim.py will work for the quantum circuit which have one or more slices but the barrier should be specified in the input and any number of qubits.

**Input format quantumalgo.py :**

qreg q[5];

cx q[0], q[1];

cu q[3], q[2];

cx q[3], q[4];

**Expected output:**



**Input format quantumalgosim.py :**

qreg q[5];

barrier q[0], q[1], q[2], q[3], q[4];

cx q[0], q[1];

cu q[3], q[2];

cx q[3], q[4];

barrier q[0], q[1], q[2], q[3], q[4];

**Expected output:**



**Input format quantumalgosim.py:**

qreg q[3];

barrier q[0], q[1], q[2];

h q[2];

barrier q[0], q[1], q[2];

cz q[1], q[2];

barrier q[0], q[1], q[2];

h q[2];

barrier q[0], q[1], q[2];

cz q[1], q[0];

cx q[1], q[2];

barrier q[0], q[1], q[2];

**Expected Output :**

