```
#include < cuda Q.h >
  <u>qu__ void</u> kernel(int qubit_count) {
  cudaq :: qvector qubits (qubit_count);
  h(QuBits[O]):
  h( QUBits[1]):
  h(qubits[0]):
  for (auto i = 1; i < qubit_count; ++i) {
    cx(QuBits[i -1]. QuBits[i]):
  MZ (QUBITS):
int main() }
  int qubit_count = 2;
  auto result = cudaq::sample(kernel,2);
```