

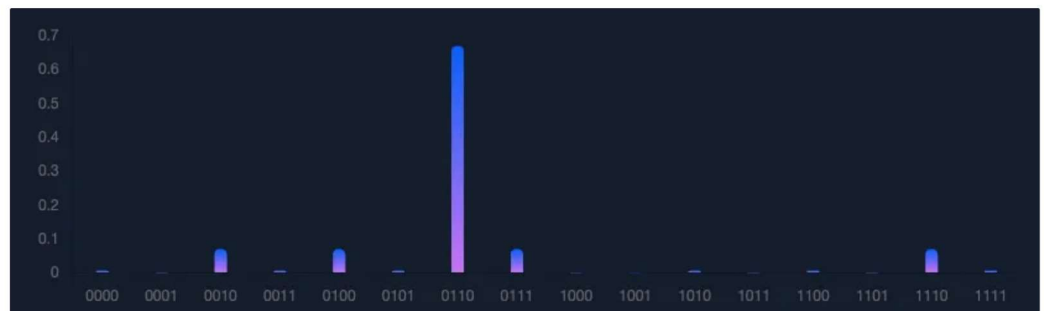
- Closing ceremony: April 13, 12:45 pm PT



## Peaked Circuits Challenge

Participants will receive special quantum circuits (Peaked Circuits) in `.qasm` format where each circuit sets up a specific quantum state. Hidden within that state is a single bitstring that appears with high probability.

Your mission is to find this bitstring!



In the example above, `0110` is the peak bitstring as it has comparatively much higher probability to be measured than all the other bitstrings. And below you can find the `.qasm` file that prepared this state:

```
OPENQASM 2.0;
include "qelib1.inc";
qreg q[4];
x q[0];
x q[3];
ry(0.8*pi) q[0];
ry(0.8*pi) q[1];
ry(0.8*pi) q[2];
ry(0.8*pi) q[3];
```

You are welcome to use BlueQubit's quantum and simulation devices to tackle these circuits. To crack the hardest ones though - you have to get creative and you might need to use other simulation tools as well.