Try to crack these circuits in .qasm2 format - they grow in difficulty and points 📈

Crack = find the peak bitstring that has the max amplitude and stands out from the rest of exponentially small amplitudes!

- To submit the peak bitstring use the submission tab 👆
- We will count both the peak bitstring and its reverse as correct (so you don't have to worry about bit ordering)
- You can use the below script to load .qasm2 files in qiskit 👇

```
from qiskit import QuantumCircuit

qc = QuantumCircuit.from_qasm_file('P1.qasm')
```

Problem 1: Little Peak

Points: 10

Take your first quantum leap with this elegantly simple 4-qubit circuit
⬇️ P1_little_peak.qasm

Problem 2: Swift Rise

Points: 20

Accelerate your journey with this electrifying 28-qubit circuit:
⬇️ P2_swift_rise.qasm

Problem 3: Sharp Peak

Points: 50