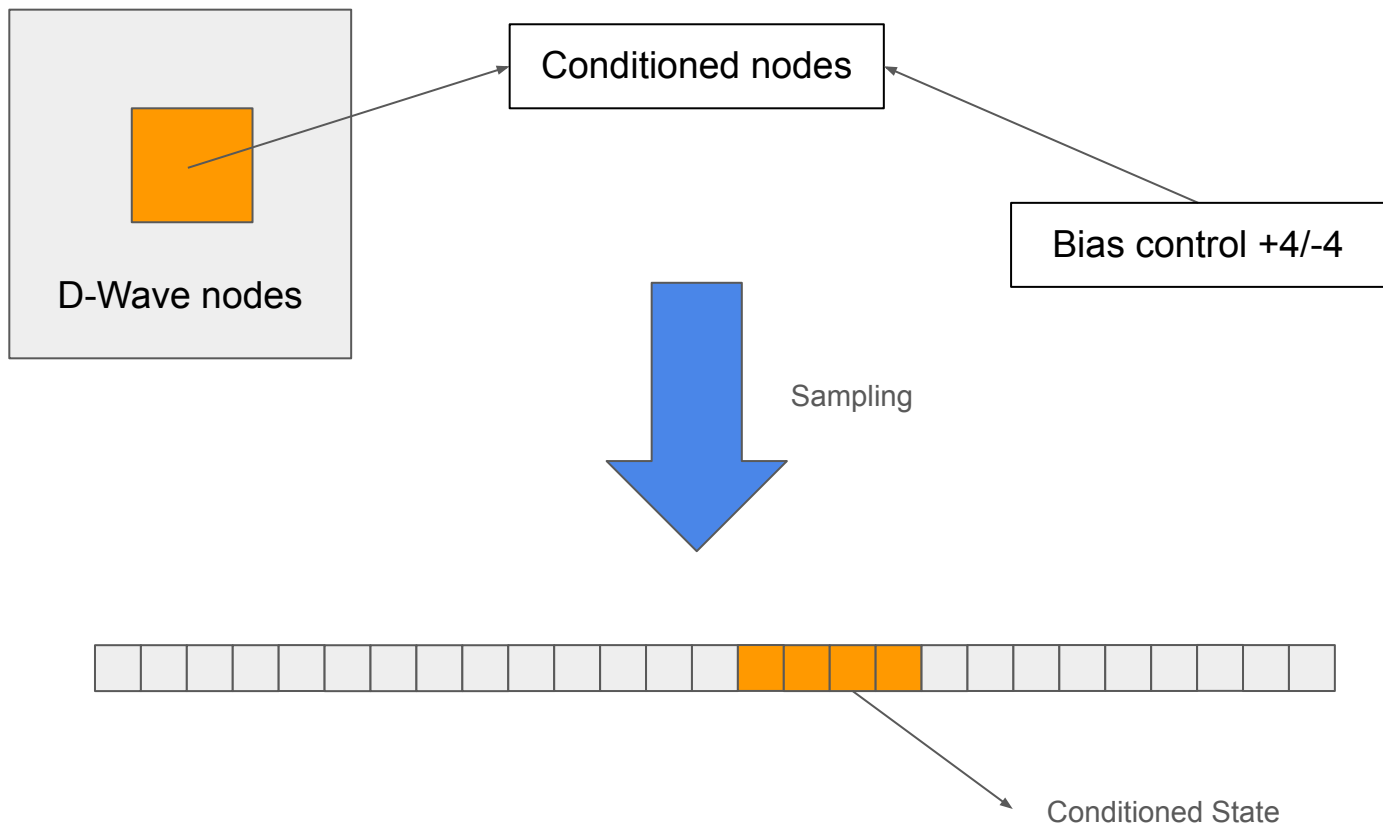


Update

- Get D-Wave samples return with the time order — add 'raw' flag in `sample_ising` function.
 - We found a bug of D-Wave api command to call the response samples
 - After asking the D-Wave stuff, we make it work by using `respond.record('sample')`
- RBM Energy Conditioning
 - The node of state can be controlled very well with the preset max/min bias.



Randomly generate energy region 0-255



Encode conditioned energy in 8 nodes's biases



D-Wave sampling



Decode conditioned samples to energies



Compare

Result

1. 8 bits conditioned nodes: 100 input energies in range $[0, 255]$, the final decoded energies are all matched with input energy.
2. 8 bits conditioned nodes: 1 specific energy input but samples 100 times, all decode energies matched with the input energy.