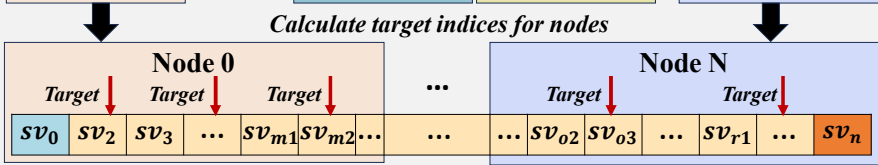
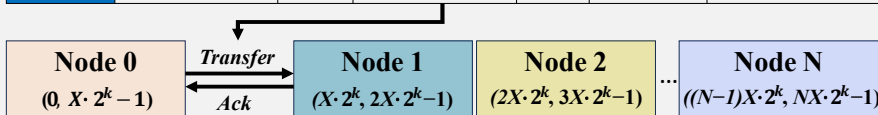


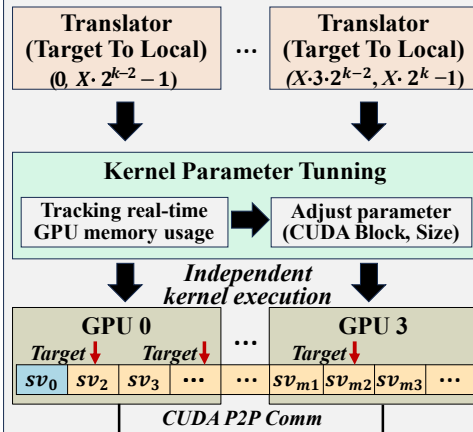
# StateMapper

## Statespace Structure

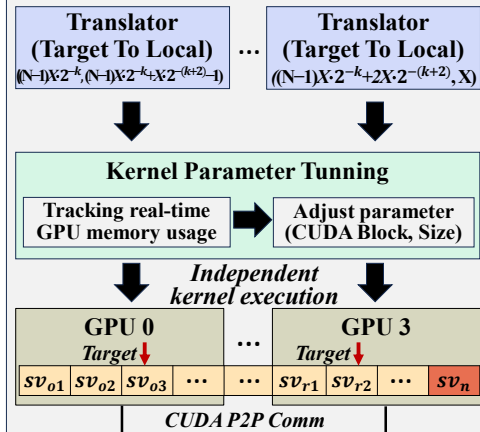
| # of Qubits | Target Index | Node ID | Node offset | GPU ID | Global GPU ID | GPU offset  |
|-------------|--------------|---------|-------------|--------|---------------|-------------|
| 36          | 34359738368  | 0       | 0           | 3      | 3             | 25769804160 |
| $\vdots$    |              |         |             |        |               |             |
| 36          | N            | N       | N           | N      | N             | N           |



# Kernel Simulator (Node 0)



# Kernel Simulator (Node N)



Distributed Task based on target indices