

Input:
-QUBO Q
-Suffix size M
-desired num. states k
-CUDA grid definition

No

All chunks
processed?

Yes

Return last k best states

Compute next suffix

Energy computing kernel

Suffix + thread indices

Compute new states

states

Compute corresponding
energies

energies

k best states so far

Current chunk

Low energy spectrum update

Select best k states
from chunk

Best k states
in chunk

Rest of chunk

Merge with current best states

Updated best k states