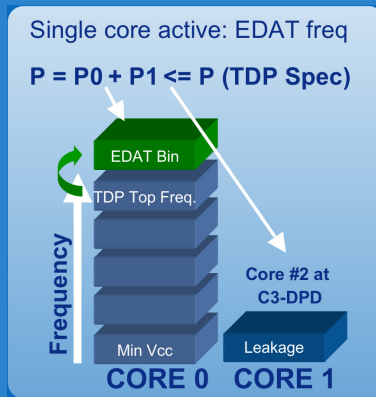
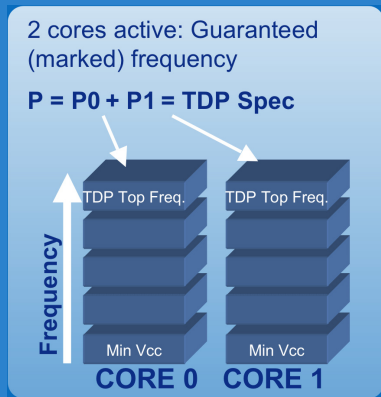


# Enhanced Dynamic Acceleration Technology (EDAT)

Concept: In multi-core CPUs, use the power headroom of idle core to boost performance of the non-idle core

How it works:

- When one core enters an idle power C-state (CC3 or deeper) AND
- OS requests a higher performance state on the running core,
- The non-idle core is boosted up to a higher voltage, higher frequency (EDAT freq)
- Overall chip Power still remains within the specified Thermal Design Power (TDP)



*Applicability: EDAT is applicable mostly to thermally constrained platforms such as mobile where the guaranteed frequency is not max Vcc limited*

*EDAT provides a significant and predictable single-threaded performance boost*

