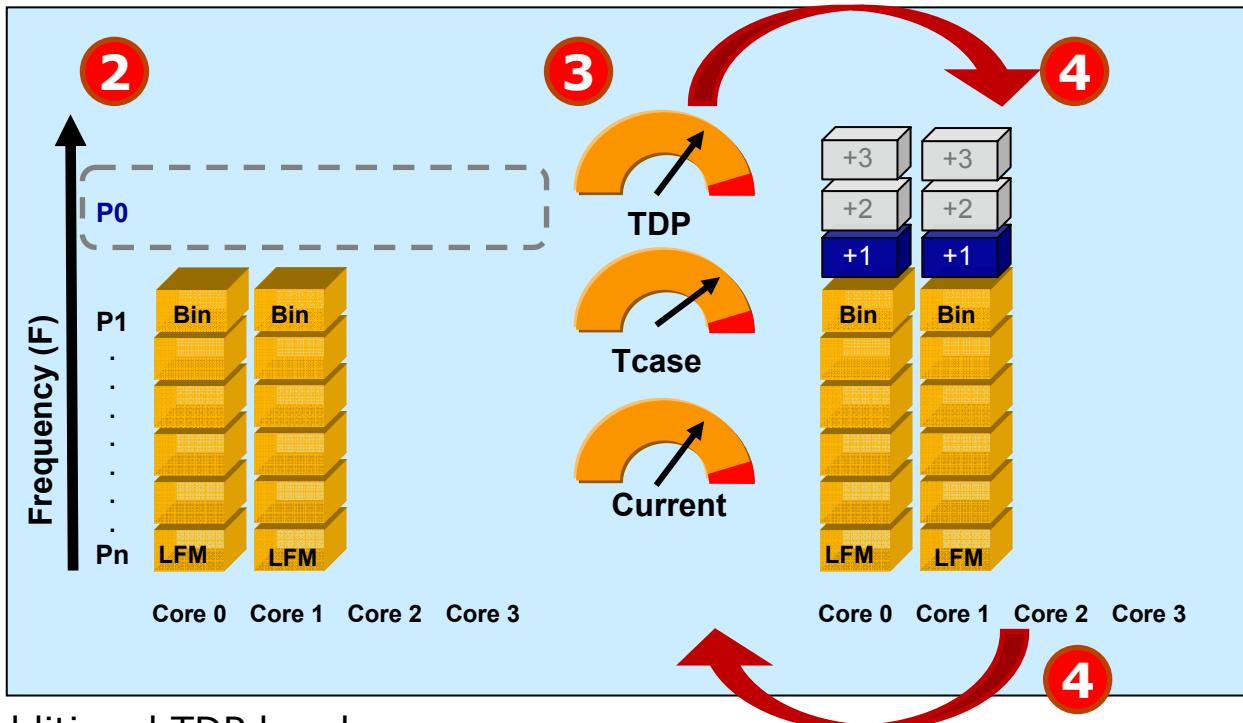
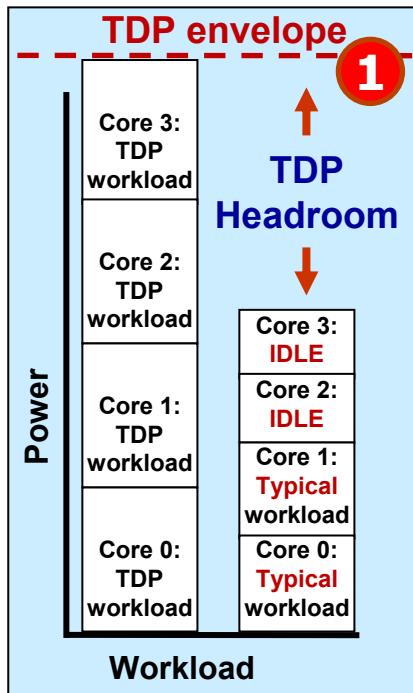


# How Turbo Mode Works (2C Mode)



- 1 Idle cores can open up additional TDP headroom
- 2 When needed, OS places CPU in P0 state
- 3 CPU checks TDP, Tcase, and Icc (current) to see if there is headroom
- 4 CPU increments frequency one step; repeat until CPU hits spec or turbo frequency limit

**Turbo Mode converts thermal headroom into higher frequencies**