

 Static Voltage Scaling EDF: Motivation

 WCI = worst case computation time @ Fmax

 Wc1 wc2 wc3 wc4

 Motion

 Motion

 Motion

 Motion

 Wc1 wc2 wc3 wc4

 Motion

 Motion

 Motion

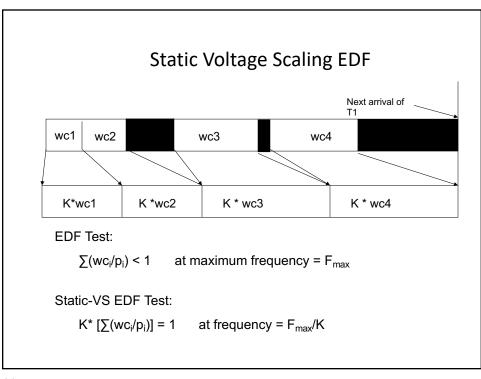
 Motion

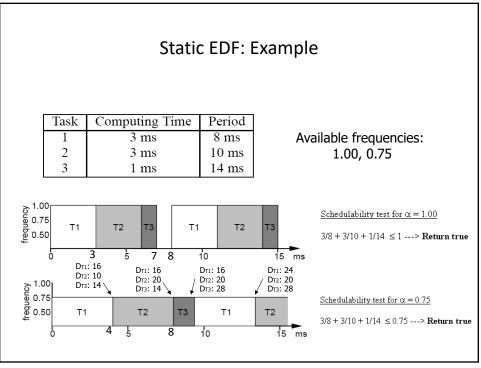
 Wc1 wc2

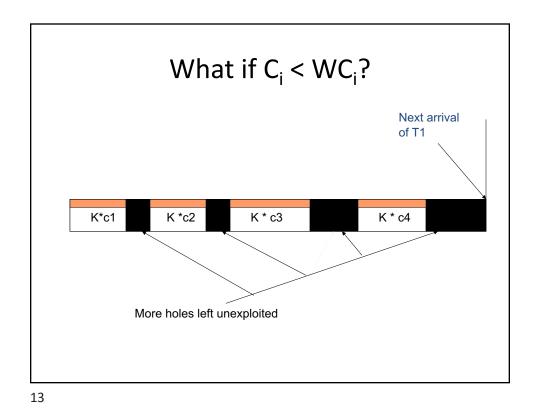
 Wc3 wc4

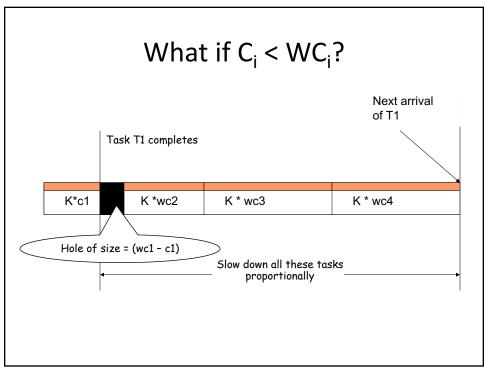
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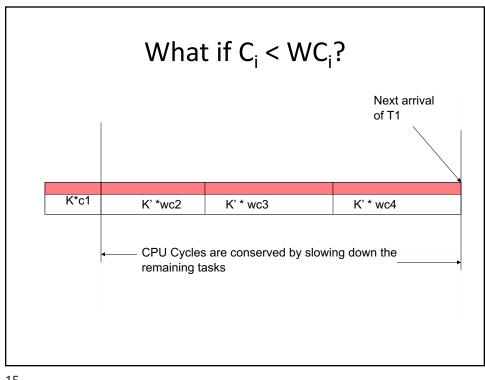
 Motion

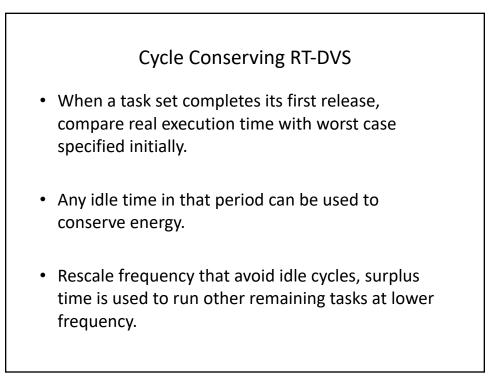


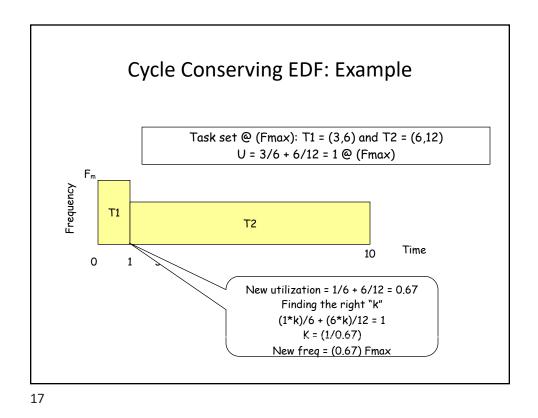


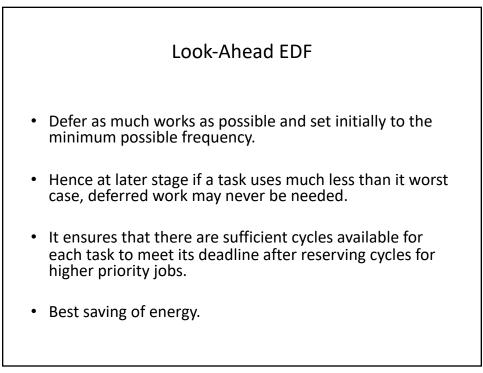


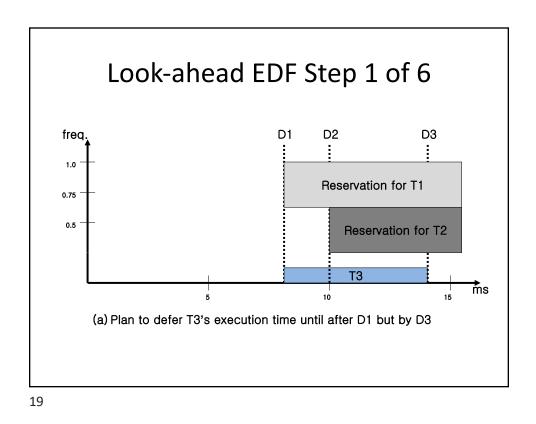


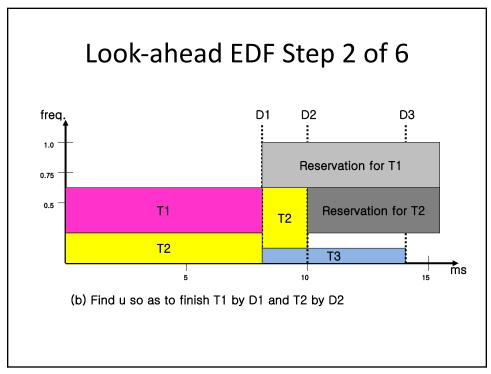


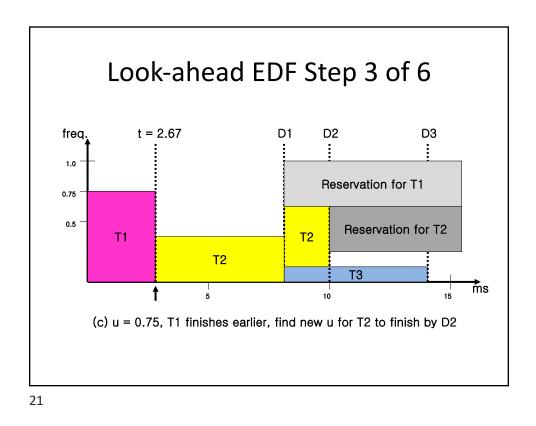


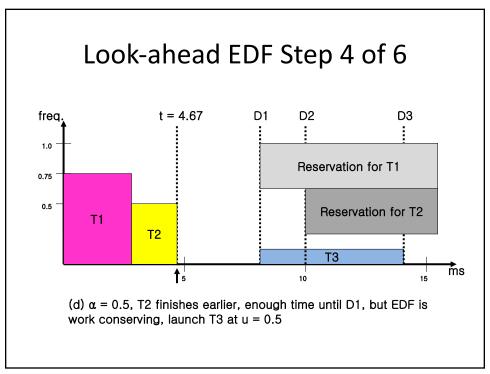


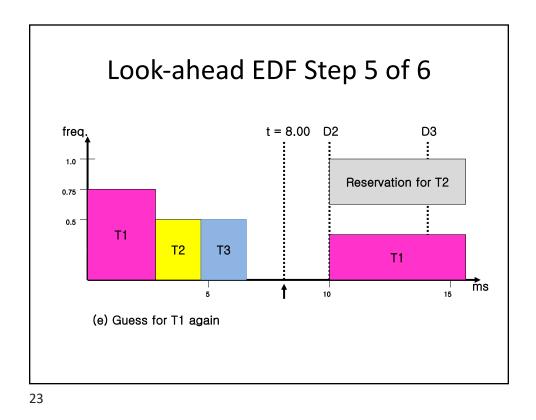


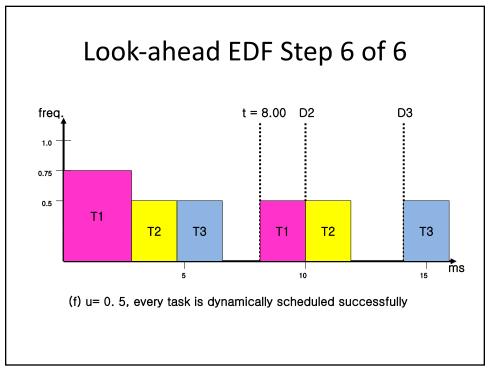


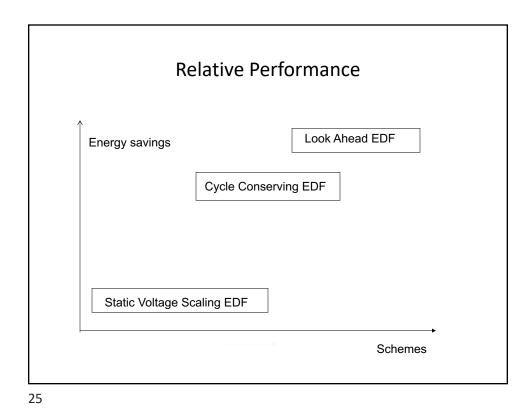












Implementation• Scheduler hooking in the kernelUser Intrak SetEvenPeriodic RT Intrak SetIntrak SetEvenPeriodic RT Intrak SetIntrak ModuleEvenEvenEvenFigure 14: Software architecture for RT-DVS implementation