

m	number of processors in system
n	number of tasks in system
$znum$	number of zones in system
τ_i	the i th task
C_i	worst case execution time of τ_i
T_i	period of τ_i , relative deadline of τ_i
W_i	weight of τ_i , $W_i = \frac{C_i}{T_i}$
Γ	task set, $\{\tau_0, \tau_1, \dots, \tau_{n-1}\}$
H_Γ	hyperperiod of Γ
U_Γ	the system utilization, $U_\Gamma = \sum_{i=0}^{n-1} W_i$
$J_{i,j}$	the j th job of τ_i
$JStart_{i,j}$	the start time of $J_{i,j}$, which equals $j \cdot T_i$
$JEnd_{i,j}$	the end time of $J_{i,j}$, which equals $(j+1) \cdot T_i$
Z_i	the i th Zone
$ZStart_i$	the start time of Z_i
$ZEnd_i$	the end time of Z_i
$ZWidth_i$	the width of Z_i , which equals $ZEnd_i - ZStart_i$
Rem_i	the number of unassigned execution time units in Z_i
$Lt_{i,j}$	minimum time units τ_i must execute in Z_j
$Mt_{i,j}$	maximum time units τ_i can execute in Z_j
$L_{i,j}$	laxity of τ_i before allocating Z_j
$R_{i,j}$	remaining execution time of τ_i before allocating Z_j
$alloc_{i,j}$	the number of assigned execution time units for τ_i in Z_j