$\tau = \{\tau_1, \tau_2\}$

$\tau_1 \Rightarrow (T_1, C_1)$

$\tau_2 \Rightarrow (T_2, C_2)$

$T_1 < T_2$

τ_1 has higher frequency

RM: τ_1 higher priority

A: τ_2 higher priority

If some $A \neq RM$ can successfully schedule τ then RM can also ——— !! ———→

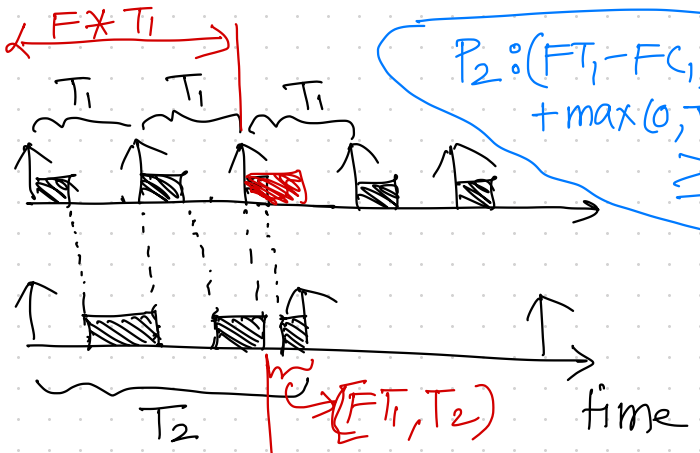
1. A schedules $\tau \Rightarrow P_1$ predicate
2. $P_2 \Rightarrow$ RM schedule τ
3. $P_1 \Rightarrow P_2$

$T_1 < T_2$

$C_1 \leq T_1 - C_2$

P_1: $C_1 + C_2 \leq T_1$

(2) RM



$P_2: (FT_1 - FC_1) + \max(0, T_2 - FT_1 - C_1) \geq C_2$

$F = \left\lfloor \frac{T_2}{T_1} \right\rfloor$

free time for C_2 in $[0, F*T_1) = FT_1 - FC_1$

—— " —— $[FT_1, T_2) = T_2 - FT_1 - C_1$

$\max(0, T_2 - FT_1 - C_1)$

$P_1: C_1 + C_2 \leq T_1$

P_2: ...

$P_1 \Rightarrow P_2$ (HW)