

Proof of Liu/Layland  
We show: If tank set is scheduleth by Non-RM  

$$=$$
) scheduleth by RM  

$$(a_{4}c \Lambda : C_{\Lambda} \in T_{2} - FT_{\Lambda}$$

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$$(a_{7}+C_{2} \in T_{\Lambda})$$

$$(F+\Lambda) C_{\Lambda} + C_{2} \in FT_{\Lambda}$$

$$(F+\Lambda) C_{\Lambda} + C_{2} \in FT_{\Lambda} + C_{\Lambda}$$

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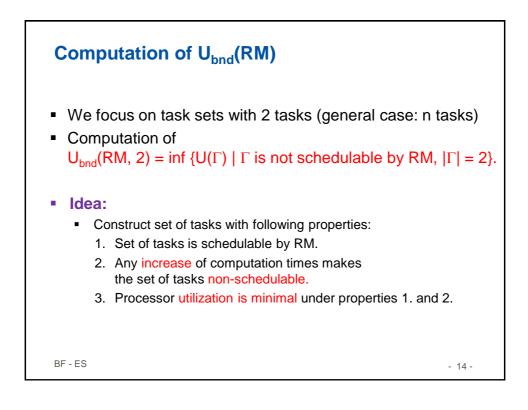
$$(F+\Lambda) C_{\Lambda} + C_{2} \in T_{\Lambda} + C_{\Lambda}$$

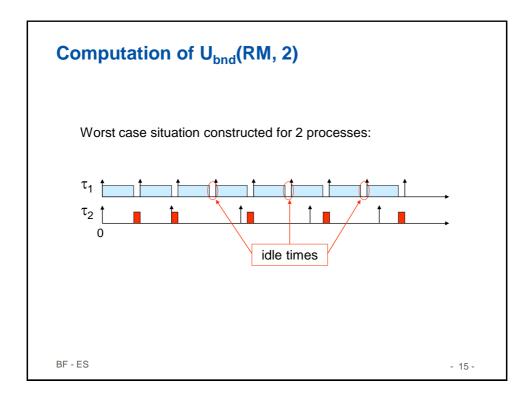
$$(F+\Lambda) C_{\Lambda} + C_{2} \in T_{\Lambda} + C_{\Lambda}$$

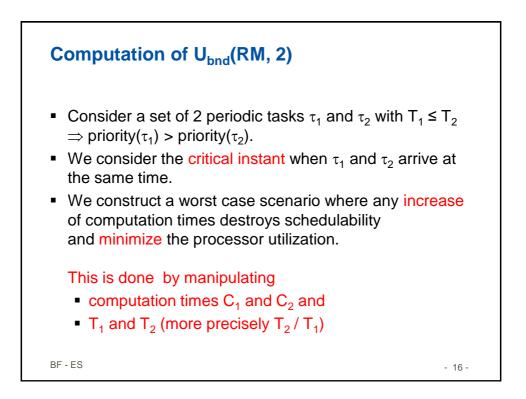
$$(F+\Lambda) C_{\Lambda} + C_{2} = T_{\Lambda} + C_{\Lambda}$$

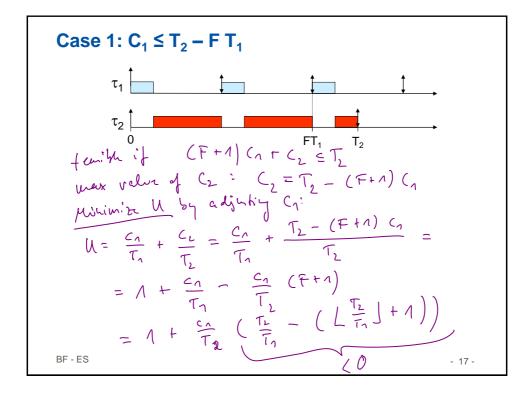
$$(F+\Lambda) C_{\Lambda} + C_{\Lambda} = T_{\Lambda} - C_{\Lambda}$$

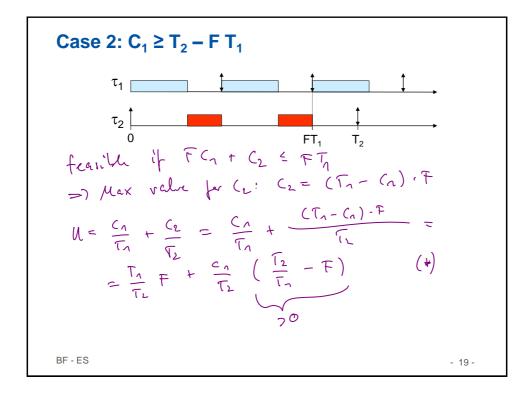
$$\begin{array}{c} (a_{N}c 2 \cdot c_{A} \gamma, T_{2} - FT_{A} \\ (a_{A} + c_{2} \leq T_{A} & \gamma \end{pmatrix} F(a + c_{2} \leq FT_{A} \\ (a_{A} + c_{2} \leq T_{A} & \gamma \end{pmatrix} F(a + c_{2} \leq FT_{A} \\ (a_{A} + c_{2} \leq FT_{A} & 1 \\ f(a_{A} + c_{2} \leq FT_{A} ) \\ (a_{A} + c_{2} \leq FT_{A} ) \end{array}$$







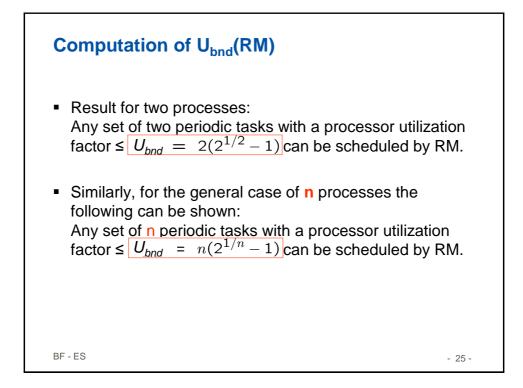


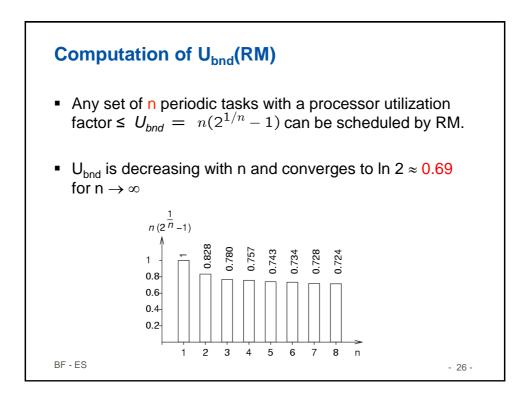


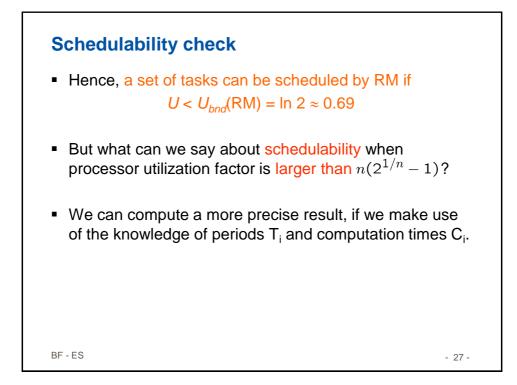
$$\begin{split} \text{Manipulating T}_{L} & \mathcal{F}_{L} + \mathcal{F}$$

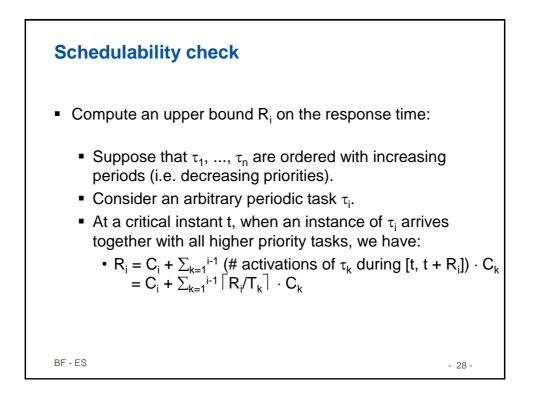
$$\begin{split} \mathcal{U} &= \frac{F + G^{2}}{F + G} \quad (f * k) , \quad F = 1 \\ &= \frac{A + G^{2}}{A + G} \\ \text{Minimizer } \mathcal{U} \text{ and } G : \\ \frac{d \mathcal{U}}{d G} &= \frac{2 G \cdot (A + G)^{-} - (A + G^{2})}{(A + G)^{2}} = \frac{G^{2} + 2G - 1}{(A + G)^{2}} \\ \frac{d \mathcal{U}}{d G} &= 0 \quad -) \quad G^{2} + 2G - (-1 - G)^{2} \\ \frac{d \mathcal{U}}{d G} &= 0 \quad -) \quad G^{2} + 2G - (-1 - G)^{2} \\ \frac{d \mathcal{U}}{d G} &= 0 \quad -) \quad G^{2} + 2G - (-1 - G)^{2} \\ G \in \left\{ \frac{-2 + \sqrt{4 + 4}}{2} \right\} , \quad \frac{-2 - \sqrt{4\pi \mu}}{2} \\ G \in \left\{ -1 + \sqrt{2} \right\} , \quad Since \quad 0 \leq C. \end{split}$$

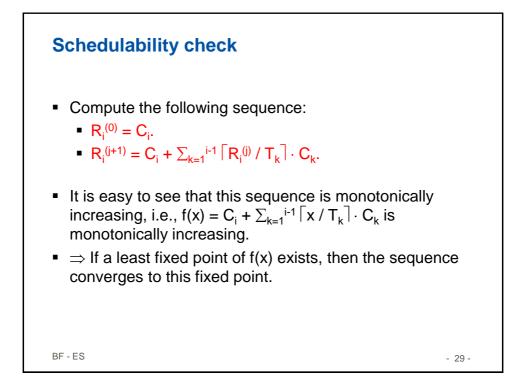
$$\begin{aligned} \mathcal{H} = \frac{\mathcal{H} + \mathcal{G}^{2}}{\mathcal{A} + \mathcal{G}} &= \frac{\mathcal{H} + (-\mathcal{A} + \mathcal{H})^{2}}{\mathcal{A} + (-\mathcal{A} + \mathcal{H})} = \\ = \frac{\mathcal{H} - 2\mathcal{H}}{\sqrt{2}} = 2(\sqrt{2} - \mathcal{A}) \approx 0.83 \end{aligned}$$

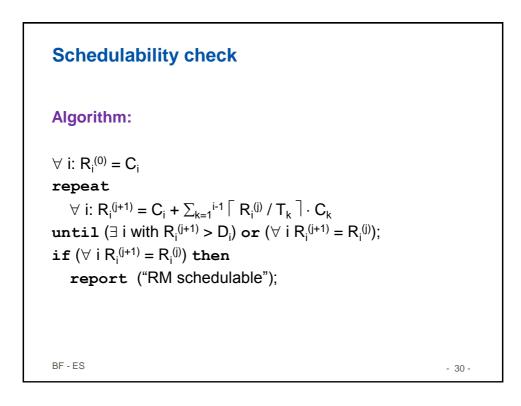












| Example  | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ |        |
|--|---|--------|
| $R_{1}^{\circ} = 1, R_{2}^{\circ} = 1, R_{3}^{\circ} = 4, R_{4}^{\circ} = 5$ $R_{2}^{\circ} = 2, R_{3}^{\circ} = 4, R_{4}^{\circ} = 5$ $R_{2}^{\circ} = 2, R_{3}^{\circ} = 4, R_{4}^{\circ} = 5$ $R_{2}^{\circ} = 2, R_{3}^{\circ} = 4, R_{4}^{\circ} = 6$ $R_{2}^{\circ} = 2, R_{3}^{\circ} = 4, R_{4}^{\circ} = 6$ |   |        |
| R<br>  | $R_{\rm Y} = T$                                       | - 31 - |

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