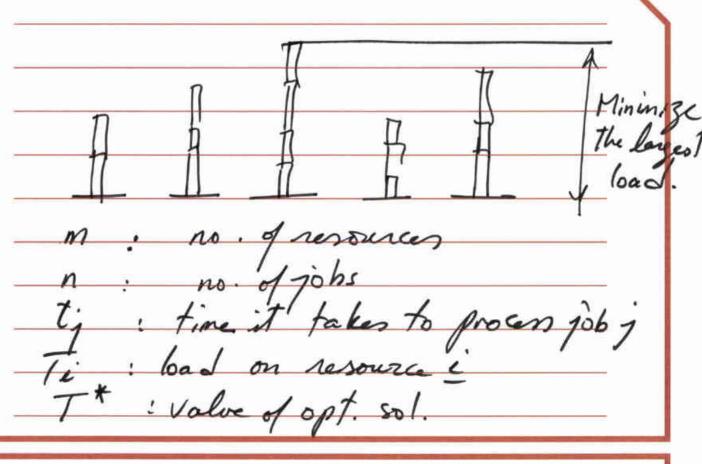
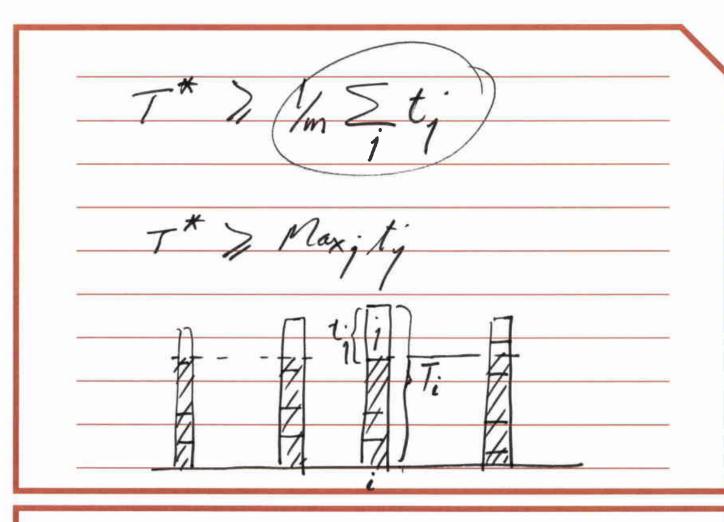
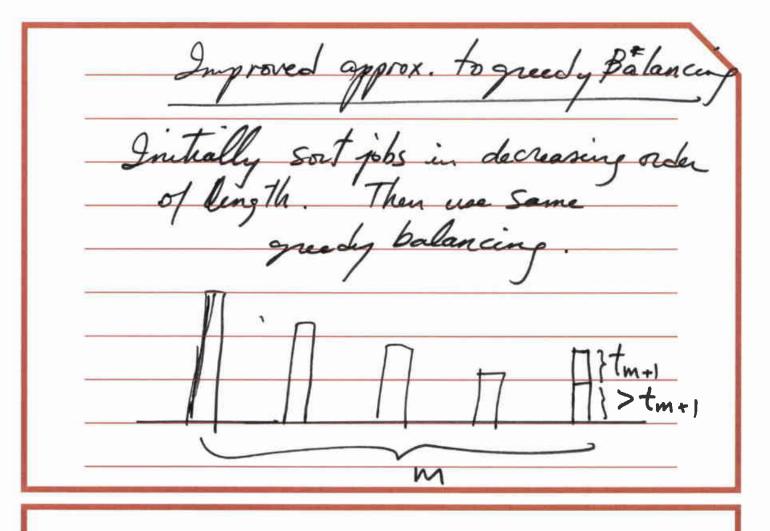
Load Balancing Problems (Approximation Example)	



Load Balancing Problem, Minimize the
Max. bad on any machine.



<u></u>	Tk > m. (Ti-tj)
K∍I	Ti-ti (Im 5 Th)
	Ti-ti < T*
	t, < T*
9 	Ti <2.7*



 $T^* \geqslant 2 \cdot t_{m+1}$ $t_j \leqslant t_{m+1}$ $T^* \geqslant 2 \cdot t_j \quad \text{or} \quad t_j \leqslant T_{/2}^*$ $\longrightarrow T_{i-t_j} \leqslant T^*$ $t_1 \leqslant t_2 \cdot T^*$ $T_{i} \leqslant 1.5 T^*$