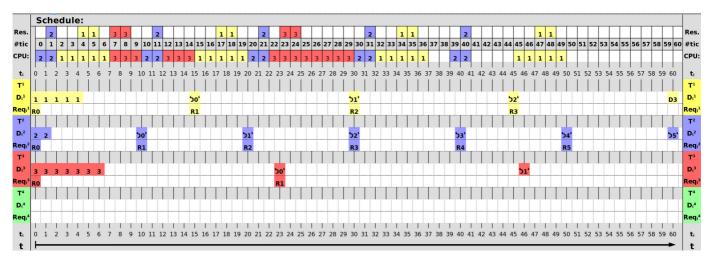
RMS with Resources

ullet Schedulability test: $U \leq n \cdot (2^{rac{1}{n}} - 1)$ where n is number of periodic tasks

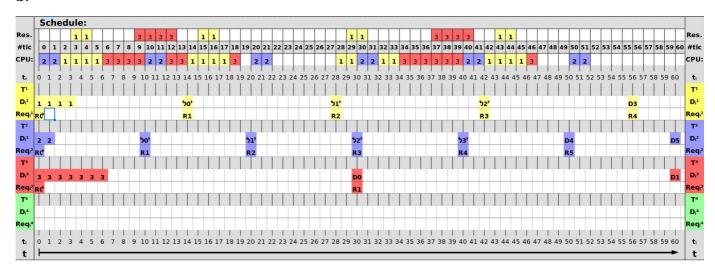
ullet Load of Tasks: $U_i=rac{e_i}{D_i}$

• System load: $U = \sum_{i=1}^n U_i = \sum_{i=1}^n rac{e_i}{D_i}$

a.



b.



• System load: $\frac{4}{14} + \frac{2}{10} + \frac{7}{30} = 0,71$

• Schedulability test: $3\cdot(2^{\frac{1}{3}}-1)=0,78$

 $0,71 \leq 0,78 o ext{feasable}$