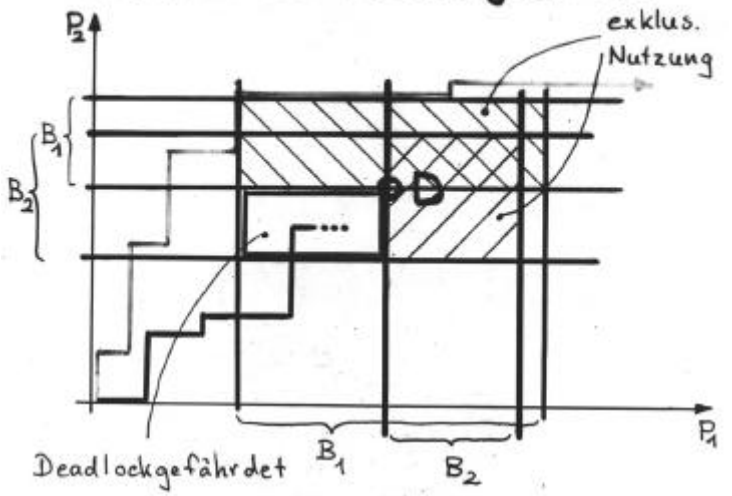
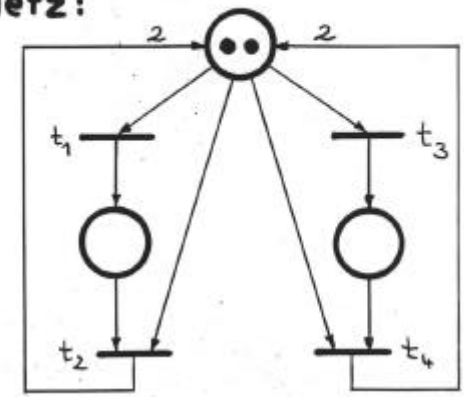
Prozeßfortschrittsdiagramm:



PETRI - Netz:



Strategieabhängigkeit von $E T_w = f(b_0)$

- SJN – Shortest Job Next:

$$E T_{w,SJN} = \frac{\lambda \cdot E(T_b^2)}{2(1 - r(b_0))^2}, \qquad r(b_0) = \lambda \cdot \int_0^{b_0} t \cdot f_{T_b}(t)\,dt$$

- HRN – Highest Response Ratio Next:

$$E T_{w,HRN}(b_0) \approx \begin{cases} \frac{\lambda}{2} \cdot E T_b^2 + \frac{b_0}{2} \cdot \frac{\rho^2}{1-\rho} & \text{für } b_0 \le \frac{E T_b^2}{E T_b} \\ \frac{\lambda}{2} \cdot \frac{E T_b^2}{1-\rho} \cdot (1 - \rho + \lambda \cdot \frac{E T_b^2}{b_0})^{-1} & \text{für } b_0 > \frac{E T_b^2}{E T_b} \end{cases}$$

- FEP – Fixed External Priorities:

$$E T_{w,i} = \frac{\rho/\mu}{(1-\sigma_i)(1-\sigma_{i-1})} \quad \text{mit } \sigma_0 = 0,\ \sigma_i = \sigma_{i-1} + \rho_i,\ i = 1,\ldots,n \quad \text{für Klasse i}$$