

$$\begin{aligned} \dot{i}_{11} &= 0.25 & \dot{i}_{12} &= \dot{i}_{21} & \dot{i}_{13} &= \dot{i}_{23} \\ \dot{i}_{21} &= \frac{1}{3}\dot{i}_{11} & \dot{i}_{22} &= 0.5\dot{i}_{12} & \dot{i}_{23} &= \dot{i}_{31} \end{aligned} \tag{1}$$

$$\dot{i}_{31} = 0.33\dot{i}_{22}\dot{i}_{32} = 0.15\dot{i}_{32}\dot{i}_{33} = \dot{i}_{11} \tag{2}$$