

$$\dot{i}_{11} = 0.25$$

$$\dot{i}_{12} = \dot{i}_{21}$$

$$\dot{i}_{13} = \dot{i}_{23}$$

$$\dot{i}_{21} = \frac{1}{3}\dot{i}_{11}$$

$$\dot{i}_{22} = 0.5\dot{i}_{12}$$

$$\dot{i}_{23} = \dot{i}_{31} \quad (1)$$

$$\dot{i}_{31} = 0.33\dot{i}_{22}$$

$$\dot{i}_{32} = 0.15\dot{i}_{32}$$

$$\dot{i}_{33} = \dot{i}_{11} \quad (2)$$