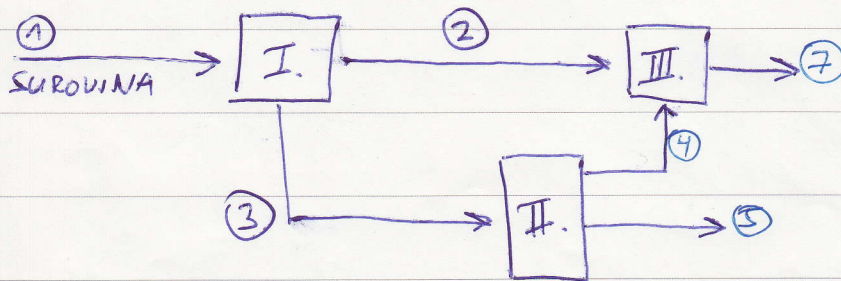
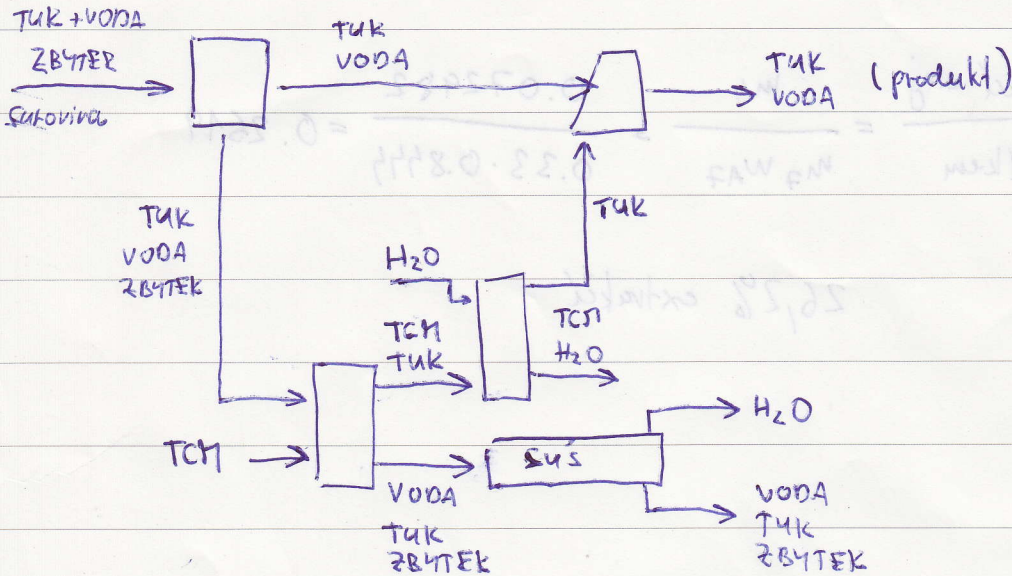


**U2-8**



10 nezávislých  
3+3+2 rovnice  
2 Σx=1

	1	2	3	4	5.	6.	7
A-tuk	0.28	0.80	0.10	1	-	0.002	W <sub>A7</sub>
B-voda	0.10	0.20	W <sub>B3</sub>	-	1	0.05	W <sub>B7</sub>
C-zbytek	0.62	-	W <sub>C3</sub>	-	-	0.948	-
	1 kg	m <sub>2</sub>	m <sub>3</sub>	m <sub>4</sub>	m <sub>5</sub>	m <sub>6</sub>	m <sub>7</sub>

$$\begin{aligned}
 \text{I.} \quad & \begin{cases} 1 = m_2 + m_3 \\ 1 \cdot 0.28 = 0.8 m_2 + 0.1 m_3 \text{ (tuk)} \\ 1 \cdot 0.62 = m_3 W_{C3} \text{ (zbytek)} \end{cases} \rightarrow \begin{cases} W_{C3} = 0.8346 \\ m_6 = 0.6540 \text{ kg} \\ m_4 = 0.072982 \text{ kg} \end{cases} \\
 & \text{ii} \rightarrow \begin{cases} 0.28 = 0.8 m_2 + 0.1 \cdot (1 - m_2) \\ 0.18 = 0.7 m_2 \end{cases} \rightarrow \begin{cases} m_2 = 0.2571 \text{ kg} \\ m_3 = 0.7429 \text{ kg} \end{cases} \\
 \text{II.} \quad & \begin{cases} m_3 = m_4 + m_5 + m_6 \\ 0.1 m_3 = m_4 + 0.002 m_6 \text{ (tuk)} \\ W_{C3} m_3 = 0.948 m_6 \text{ (zbytek)} \end{cases} \rightarrow \begin{cases} m_6 = 0.6540 \text{ kg} \\ m_4 = 0.072982 \text{ kg} \end{cases} \\
 \text{III.} \quad & \begin{cases} m_2 + m_4 = m_7 \\ 0.8 m_2 + m_4 = W_{A7} m_7 \text{ (tuk)} \end{cases} \rightarrow m_7 = 0.3300 \text{ kg} \\
 & \begin{cases} W_{B3} = 0.1654 \\ W_{A7} = 0.8444 \\ W_{B7} = 0.1556 \end{cases} \quad 0.0654
 \end{aligned}$$