

Solutions to Exercise 13 (c)

$$\begin{aligned}H(\mathcal{Z}|\mathcal{X}) &= 1 \\H(\mathcal{Y}, \mathcal{Z}) &= 3 \\I(\mathcal{Z}; \mathcal{X}|\mathcal{Y}) &= 1 \\I(\mathcal{X}; \mathcal{Y}|\mathcal{Z}) &= 0.5\end{aligned}$$

If you have trouble to find the solution, feel free to ask me by email.