

$$H(x) = - \sum p(x) \log p(x)$$

$$P(x) = [0.49, 0.26, 0.12, 0.04, 0.04, 0.03, 0.02]$$

$$H(x) = 0.49 \log\left(\frac{1}{0.49}\right) + 0.26 \log\left(\frac{1}{0.26}\right) + \dots +$$

$$0.02 \log\left(\frac{1}{0.02}\right)$$

$$= -0.49 \log(0.49) - 0.26 \log(0.26) - \dots$$

$$- 0.02 \log(0.02).$$

Efficiency: $\frac{H(x)}{L(c)} \times 100 = \sim$ in %.