

if $(\infty) = \infty$ not lost
elfel ant. ∞ in ∞

Quas 4

project: wordle

5-7 more occur

2-3 more 2035

} transition

Lemmel 2 (0x00)

$$\log_2(n!) \approx n \log_2 n$$

$$\log_2 52! = \sum_{i=1}^{52} \log_2 i = 225,6 \text{ bits}$$

in Stealing (221,4 bits)

$$H(x) = \sum p_i \cdot \log_2 \frac{1}{p_i}$$

$$H(\text{bité abstré}) = \log_2 \frac{1}{p_i} = \log_2 \frac{8}{3} = 1,42$$

$$H(\text{meinte}) = \frac{5}{8} \cdot \log_2 \frac{8}{3} + \frac{3}{8} \cdot \log_2 \frac{8}{3} = 0,95 \text{ bits}$$

$$H(\text{dupé}) = \frac{5}{7} \log_2 \frac{7}{5} + \frac{2}{7} \cdot \log_2 \frac{7}{2} = 0,86 \text{ bits}$$

$$3. \log_2(12) + 1 = 4,58 \text{ bits}$$

$$\begin{array}{ccc} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{array}$$

$$J. e) \quad n = \frac{1}{2^N}$$

$$\log_2 \frac{1}{n} = \log_2 \frac{2^N}{1}$$

$$g) \quad n = \frac{\frac{3}{4}N + 1}{2^N}$$

$$f) \quad n = \frac{N}{2^N}$$