

Problem Set 2

Information and Coding Theory

February 12, 2021

CLAYTON SEITZ

Problem 0.1. *Find tight upper and lower bounds on two extremely biased coins*

Solution. We start by writing out the KL-Divergence between the distributions P and Q for a sequence of n coin tosses

$$D(P(x_1 \dots x_n) || Q(x_1 \dots x_n)) =$$

■