

Project 1

Project assigned on Jan 19

Project report due on Feb 10, 6:00 pm

1 Problem

Design a source code for an *iid* binary source that outputs a 0 with probability 0.95 and a 1 with probability 0.05. Calculate the expected length L per source bit.

2 Submission

You will need to submit a report (1 page; 2 sides) including your source code and the calculations. Email any programs that you may have to write.

3 Marks

Your marks out of 10 will be $\frac{1 - L}{1 - h(0.95, 0.05)} \times 10$ rounded to the nearest integer.