Homework 1 Grading Policy

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1. (Another kind of typical sequences) [18]

Grading Policy:

    a) Property 1 worths [2] points, Property 2 worths [3] points, and Property 3, 4 worth [1] point in total.

    b) Correct arguments about set relations [4] and correct arithemtic details [2].

    c) A correct example [3], and justification [3].

2. (Finer asymptote for lossless source coding achievability) [20]

Grading Policy:

    a) Justification for your application of central limit theorem [4], other details [4].

    b) Overall logic in scheme and analysis [4], application of Berry-Esseen theorem [4], other details such as mean value theorem or Taylor's theorem [4].

3. (An alternative lossless source coding theorem) [12]

Grading Policy:

    a) A correct scheme [3] and the justification [3].

    b) A proof that applies for all codes [4] and other details [2].