Homework 7: Channel coding

1 Problem 1: Achievable bounds
Propose a comparison of the three achievabilities: Shannon’s bound, DT bound and Feinstein’s lemma.

— You can compare their relative position (strength of the bound), formally.
— You can choose a channel (BSC, Gaussian channel, …) and illustrate these bounds. The channel may be built as a DMC channel (multiple channel uses).