ELEG 310 Random Signals and Noise

All the problems below are from the textbook.

- Problems: P1, P11, P16, P19, P39

- Theoretical Exercises: T1, T2, T6, T9

Also solve the following additional problem.

A1: Suppose that n independent trials, each of which results in any of the outcomes 0, 1 or 2 with respective probabilities p_0, p_1 and p_2, where $\sum_{i=0}^{2} p_i = 1$, are performed. Find the probability that outcomes 1 and 2 both occur at least once.