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## **Shannon-Fano method**

A simple data compression procedure, which involves the following steps:

- 1. Arrange the symbols to be transmitted according to their probabilities.
- 2. Divide the set of symbols into two subsets with equal or nearly equal probabilities. Assign the symbol set with **0** and the other with **1** as the first symbol of their codewords.
- 3. Continue this process until no symbols are left.

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Last update: 2024/08/27 16:28

