Matroids And their Graphs

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We plan to study matroids from scratch, following Oxley's text [cite this in bibliography]. A matroid is ... [give defn here]

We will consider the motivating problems and examples from Oxley's work and using [python?] attempt to reproduce some currently best-known results of the enumeration problems. Our target is to explain the connection between matroids and situations where the greedy algorithm is optimal [rephrase?].