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The standard, well-studied, well-known chain of parameters  $\text{ir}(G) \leq \gamma(G) \leq \text{i}(G) \leq \beta(G) \leq \Gamma(G) \leq \text{IR}(G)$  arises from the observations that an independent set is maximally independent if and only if it is dominating, and a dominating set is minimally dominating if and only if it is irredundant. Observe that these parameters are defined relative to the edge set  $E(G)$ . By considering two natural extensions of independence and varying the collection  $\mathcal{R} = \{R_1, R_2, \dots, R_t\}$  of subsets of the vertex set relative to which these notions of “independence” are defined results in several generalized  $\mathcal{R}$ -parametric chains. (Received September 13, 2008)