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## About generalization in mathematics (II)

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ABSTRACT. The goal of this paper is to explore some properties of the set of solutions of a system of equations. We will construct on the set  $M_\sigma = \left\{ (x_1, x_2, \dots, x_n) \mid x_i \in \mathbb{R}, x_i = \frac{2x_{\sigma(i)}^2}{1+x_{\sigma^{-1}(i)}^2}, i = \overline{1, n} \right\}$  a boolean ring and we will find a method for determining the subrings of the boolean ring  $(\mathcal{P}(X), \Delta, \cap)$ , where  $\mathcal{P}(X)$  is the collection of all subsets of the set  $X = \{1, 2, \dots, n\}$ .

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