

Rank of array element @ model

[@wikipedia](#)

Index number $rg(x_i)$ of a given array element x_i in a low-to-high sorted array $rg(x)$:

(1) $\{x\} = \{x_1, x_2, x_3 \dots x_n\} \rightarrow \{rg(x)\} = \{x_{i_1}, x_{i_2}, x_{i_3} \dots x_{i_n}\}$, where $x_{i_1} \leq x_{i_2} \leq x_{i_3} \dots \leq x_{i_n}$

so that $rg(x_{i_k}) = k$