- An element of a set is the __minimum__ if it is comparable with and less than/ equal to all other points in the set.

- $x \in S$ __minimum__ w.r.t K if $x \leq_K y$ $\forall y \in S$.

- $x \in S$ __minimum__ if $S \subseteq x + K$, where $x + K$ is the set of elements that are greater than or equal to x w.r.t. K.

- An element of a set is __minimal__ if there is no element in the set that is greater than it.

- $x \in S$ __minimal__ if $y \leq_K x \Rightarrow y = x$, $y \in S$

- $x \in S$ __minimal__ if
$$x - K \cap S = \{x\},$$
where $x - K$ is the set of elements that are less than or equal to x w.r.t. K.

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