



Why

1

Definition

Let X a finite nonempty set. A function $f : \mathcal{P}(X) \rightarrow \mathbf{R}$ is *submodular* if

$$f(S \cup T) + f(S \cap T) \leq f(S) + f(T)$$

for all $S, T \subset X$.

¹Future editions will include. The discussion will likely be genetic, through combinatorial optimization.

