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graph TD; A[Derive set N_0 ⊂ X of new solutions by applying search operators to elements of S_0] --> B[Select set S_1 from joint set P_0 = S_0 ∪ N_0 by preferring solutions x ∈ P_0 with better f(x)]; B --> C[Begin with a set S_0 ⊂ X of one or multiple randomly sampled solutions]; C --> A;
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Begin with a set  $S_0 \subset \mathbb{X}$  of one or multiple randomly sampled solutions

Select set  $S_1$  from joint set  $P_0 = S_0 \cup N_0$  **by preferring solutions  $x \in P_0$  with better  $f(x)$**

Derive set  $N_0 \subset \mathbb{X}$  of new solutions by applying search operators to elements of  $S_0$