## START

U: Current Solution V: New Proposed Sol'n Pareto Set: Set of nondominated sol'ns.

Initialization:

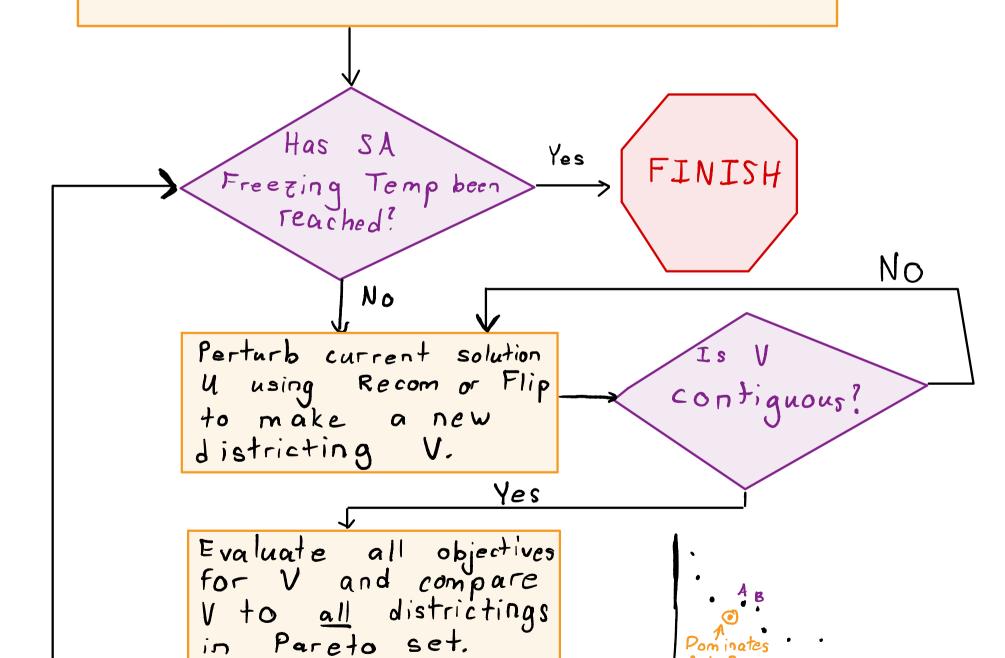
1. Set a high simulated annealing temperature T.

2. Generate a diversified set 1 of normalized weight vectors  $\vec{\alpha}_i = (\alpha_{i1}, \alpha_{i2}, ..., \alpha_{ik})$  (K=# of objectives)

3. Randomly (or nonrandomly)
generate an initial districting U.
Evaluate all objectives, add the
districting to the Pareto set, and
assign a weight vector Zi to U.

i: indexes the number of weight vectors

j: indexes #
of obj. fn's



Does

dominate at least

one districting

in Pareto

Replace one of the

V inherit the

for the

weight vector a;

it replaced.

solution

Yes

dominated districtings with V and let

