

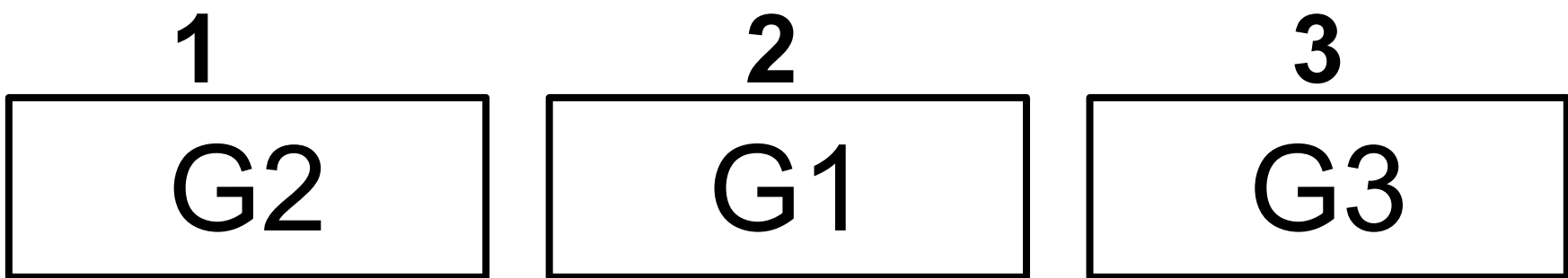
↓ **Step 1** : Initiation of the population  $P_t$



↓ **Step 2** : G2 dominate G1 & G1 dominate G3



↓ **Step 3** : Fitness evaluation (ranking)



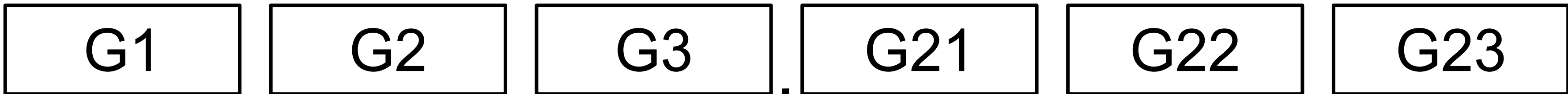
**Step 4 and 5.d** : Genetic operators  
+ recombination



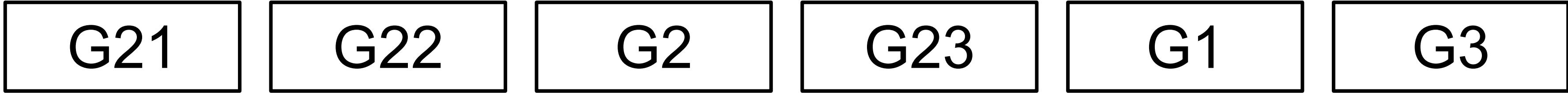
Creation of the offspring population ( $Q_t$ )



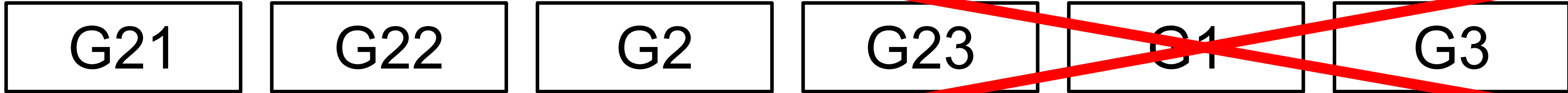
**Step 5.a**: Mating pool  $R_t = P_t \cup Q_t$



**Step 5.b**: fast non-dominated sorting



**Step 5.c**: Generate the new parent population  $P_{t+1}$



Reject lower ranked non-dominated solutions

