

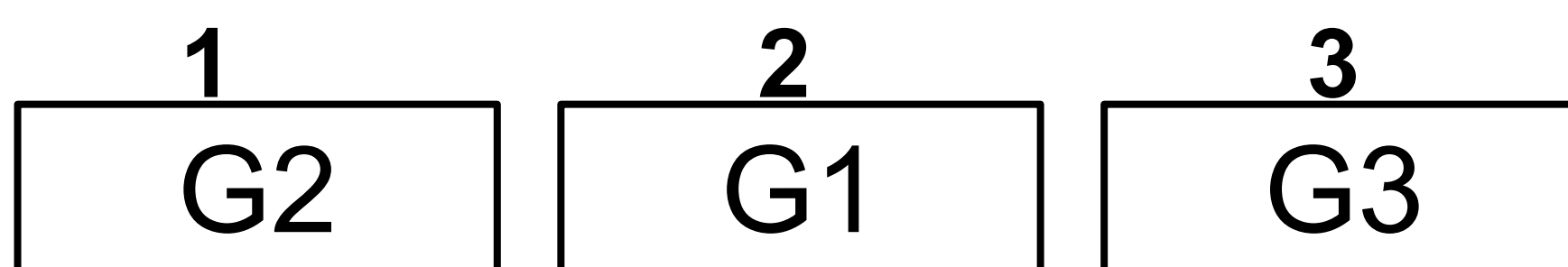
↓ **Step1** : Initiation of the population P_t



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



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



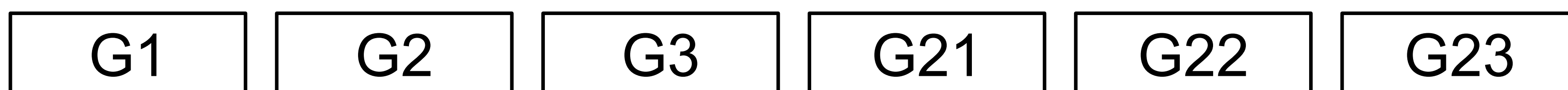
Step 4 : Genetic operators + recombination



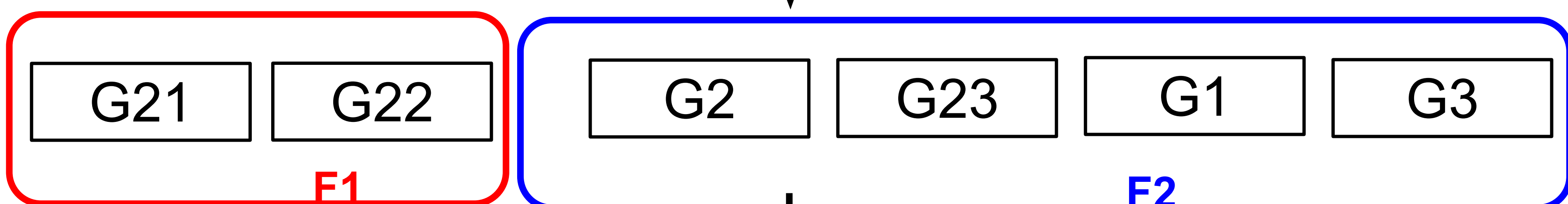
Creation of the offspring population (Q_t)



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 pop P_{t+1}



Reject lower ranked non-dominated solutions

Step6



Creation of $P(t+1)$