

1. $\mu \leftarrow$ population size, $g \leftarrow 0$
2. Randomly generate population $P(0)$
3. while $g < 400$
4. $g \leftarrow g + 1$
5. find best fit individual λ in $P(g-1)$. $P(g) \leftarrow \{\lambda\}$ // elitism step
6. $i \leftarrow 1$
7. while $i < \mu-1$
8. randomly select two parents
9. recombine with probability p_c to create one offspring O .
10. mutate O with probability p_m .
11. $P(g) \leftarrow P(g) \cup \{O\}$
12. $i \leftarrow i + 1$
13. endwhile
14. evaluate $P(g)$
15. endwhile