GA 实验

The deceptive functions are a family of functions in which there exists low-order building blocks that do not combine to form the higher-order building blocks. Here, a deceptive problem that consists of 25 copies of the order-4 deceptive function DF is constructed for this paper. DF can be described as follows:

f(0000)=4	f(0001)=1	f(0010)=1	f(0011)=2
f(0100)=1	f(0101)=2	f(0110)=2	f(0111)=3
f(1000)=1	f(1001)=2	f(1010)=2	f(1011)=3
f(1100)=2	f(1101)=3	f(1110)=3	f(1111)=0

This problem has a maximal function value of 100.