

## 作业 5: 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 fully deceptive function DF2 is constructed for this paper.

DF2 can be described as follows:

$f(0000)=28$	$f(0001)=26$	$f(0010)=24$	$f(0011)=18$
$f(0100)=22$	$f(0101)=6$	$f(0110)=14$	$f(0111)=0$
$f(1000)=20$	$f(1001)=12$	$f(1010)=10$	$f(1011)=2$
$f(1100)=8$	$f(1101)=4$	$f(1110)=6$	$f(1111)=30$

This problem has a maximal function value of 750.