	gbest.lbest	gbest.vn	gbest.spso	gbest.gbestgc	gbest.lbestgc	gbest.vngc	gbest.bb	gbest.bba	lbest.vn	lbest.spso	lbest.gbestgc
ackley	1	1	-1	0	1	1	0	1	-1	-1	-1
alpine	1	1	0	1	1	1	1	1	0	-1	-1
elliptic	1	1	1	0	1	1	0	1	-1	-1	-1
eggholder	-1	1	-1	0	-1	1	1	1	1	0	1
griewank	1	1	0	0	1	1	0	1	-1	-1	-1
levy	1	1	0	0	1	1	0	1	-1	-1	-1
michalewicz	1	1	-1	1	1	1	1	1	1	-1	-1
quadric	1	1	-1	0	1	1	1	1	-1	-1	-1
quartic	1	1	0	1	1	1	0	1	-1	-1	-1
rastrigin	1	1	-1	1	1	1	1	1	1	-1	-1
rosenbrock	1	1	1	0	1	1	1	1	-1	-1	-1
salomon	1	1	-1	0	1	1	1	1	-1	-1	-1
schwefel1_2	1	1	-1	0	1	1	1	1	-1	-1	-1
schwefel2_22	1	1	0	0	1	1	0	1	-1	-1	-1
schwefel2_26	0	1	-1	0	-1	1	0	0	1	0	0
spherical	1	1	0	0	1	1	0	1	-1	-1	-1
step	1	1	-1	0	1	1	0	1	-1	-1	-1
zakharov	1	1	-1	0	1	1	1	1	-1	-1	-1
-1	1	0	10	0	2	0	0	0	13	16	16
0	1	0	6	14	0	0	9	1	1	2	1
1	16	18	2	4	16	18	9	17	4	0	1
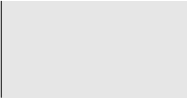
lbest.lbestgc	lbest.vngc	lbest.bb	lbest.bba	vn.spso	vn.gbestgc	vn.lbestgc	vn.vngc	vn.bb	vn.bba	spso.gbestgc	spso.lbestgc	spso.vngc	spso.bb
0	-1	-1	-1	-1	-1	1	0	-1	-1	1	1	1	1
0	0	-1	-1	-1	-1	0	0	-1	0	1	1	1	1
0	-1	-1	-1	1	-1	1	1	-1	-1	-1	1	0	-1
0	1	1	1	-1	0	-1	0	0	1	1	0	1	1
0	-1	-1	-1	-1	-1	1	0	-1	-1	-1	1	1	0
0	-1	-1	-1	-1	-1	1	0	-1	0	0	1	1	0
0	1	-1	1	-1	-1	-1	0	-1	0	1	1	1	1
0	-1	-1	0	-1	-1	1	0	1	1	1	1	1	1
1	-1	-1	-1	-1	-1	1	1	-1	-1	1	1	1	1
0	1	0	1	-1	-1	-1	0	-1	1	1	1	1	1
0	-1	-1	-1	0	-1	1	0	-1	-1	-1	1	0	-1
0	-1	-1	-1	-1	-1	1	0	-1	1	1	1	1	1
0	-1	-1	0	-1	-1	1	0	0	1	1	1	1	1
0	-1	-1	-1	-1	-1	1	1	-1	-1	0	1	1	-1
0	1	0	0	-1	-1	-1	0	-1	-1	0	0	1	1
0	-1	-1	-1	-1	-1	1	-1	-1	-1	0	1	1	0
0	-1	-1	-1	-1	-1	1	0	-1	-1	1	1	1	1
0	-1	-1	1	-1	-1	1	0	0	1	1	1	1	1
0	13	15	11	16	17	4	1	14	9	3	0	0	3
17	1	2	3	1	1	1	14	3	3	4	2	2	3
1	4	1	4	1	0	13	3	1	6	11	16	16	12

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spso.bba	gbestgc.lbestgc	gbestgc.vngc	gbestgc.bb	gbestgc.bba	lbestgc.vngc	lbestgc.bb	lbestgc.bba	vngc.bb	vngc.bba	bb.bba
1	1	1	0	1	-1	-1	-1	-1	-1	1
1	1	1	0	1	0	-1	0	-1	-1	1
-1	1	1	0	1	-1	-1	-1	-1	-1	1
1	-1	1	1	1	1	1	1	0	1	1
1	1	1	1	1	-1	-1	-1	-1	-1	1
1	1	1	0	1	-1	-1	-1	-1	0	1
1	1	1	0	1	1	-1	1	-1	0	1
1	1	1	1	1	-1	-1	0	1	1	1
1	1	1	0	1	-1	-1	-1	-1	-1	1
1	1	1	0	1	1	0	1	-1	1	1
-1	1	1	1	1	-1	-1	-1	-1	-1	0
1	1	1	1	1	-1	-1	-1	-1	1	1
1	1	1	1	1	-1	-1	0	0	1	1
0	1	1	-1	0	-1	-1	-1	-1	-1	1
1	0	1	0	0	1	0	1	-1	-1	0
1	1	1	0	1	-1	-1	-1	-1	-1	1
1	1	1	0	1	-1	-1	-1	-1	-1	1
1	1	1	1	1	-1	-1	1	0	1	1
2	1	0	1	0	13	15	10	14	10	0
1	1	0	10	2	1	2	3	3	2	2
15	16	18	7	16	4	1	5	1	6	16

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