

Sheet1

	bb.bba	bb.gbest	bb.gbestgc	bb.lbest	bb.lbestgc	bb.spso	bb.vn	bb.vngc	bba.gbest	bba.gbestgc	bba.lbest
ackley	1	0	0	1	1	-1	1	1	-1	-1	1
alpine	1	0	1	1	1	0	1	1	-1	-1	1
eggholder	0	-1	-1	-1	-1	-1	1	1	0	0	0
elliptic	1	0	0	1	1	1	1	1	-1	-1	1
goldsteinprice	1	1	1	1	1	1	1	1	0	1	0
griewank	1	0	0	1	1	0	1	1	-1	-1	1
levy	1	-1	-1	1	1	0	0	1	-1	-1	1
michalewicz	1	-1	-1	1	1	-1	1	1	-1	-1	-1
quadric	1	-1	-1	0	0	-1	-1	-1	-1	-1	-1
quartic	1	0	0	1	1	0	1	1	-1	-1	1
rastrigin	1	-1	0	1	1	-1	1	1	-1	-1	0
rosenbrock	1	1	1	1	1	1	1	1	1	1	1
salomon	1	-1	-1	1	1	-1	0	0	-1	-1	1
schwefel1_2	0	-1	-1	0	0	-1	-1	-1	-1	-1	0
schwefel2_22	1	0	1	1	1	1	1	1	-1	0	1
schwefel2_26	0	0	0	0	0	-1	1	1	0	0	0
sixhump	1	1	1	0	1	1	1	1	0	0	0
spherical	1	0	0	1	1	1	1	1	-1	-1	1
step	1	0	0	1	1	-1	1	1	-1	0	1
zakharov	1	-1	-1	1	1	-1	1	1	-1	-1	0
-1	0	8	7	1	1	10	2	2	15	13	2
0	3	9	8	4	3	4	2	1	4	5	7
1	17	3	5	15	16	6	16	17	1	2	11

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bba.lbestgc	bba.spso	bba.vn	bba.vngc	best.gbets	gbest.lbest	gbest.lbestg	gbest.spsq	gbest.vr	best.vng	gbestgc.lbest	gbestgc.lbestg	gbestgc.spsq	gbestgc.vr
1	-1	1	1	0	1	1	-1	1	1	1	1	-1	1
1	-1	1	1	1	1	1	-1	1	1	1	1	-1	1
0	0	0	0	0	0	0	-1	1	1	0	0	0	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	-1	0	1	1	0	1	0	1	1	-1	0	-1	-1
1	-1	-1	-1	0	1	1	0	1	1	1	1	0	1
1	-1	0	0	0	1	1	1	1	1	1	1	1	1
-1	-1	-1	-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	0	1	1	0	1	1	1	1	0	1
0	-1	1	1	1	1	1	0	1	1	1	1	-1	1
1	1	1	1	0	1	1	1	-1	0	1	1	1	0
1	-1	-1	-1	0	1	1	-1	1	1	1	1	-1	1
-1	-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	0	1
0	0	1	1	0	0	0	0	1	1	0	0	-1	1
0	-1	1	1	0	0	0	-1	1	1	0	0	-1	1
1	-1	1	1	0	1	1	1	1	1	1	1	1	1
1	-1	1	1	0	1	1	-1	1	1	1	1	-1	1
0	-1	-1	-1	0	1	1	-1	1	1	1	1	-1	1
3	15	6	6	0	0	0	10	1	0	1	0	12	1
5	3	3	2	14	4	3	5	0	1	3	4	4	1
12	2	11	12	6	16	17	5	19	19	16	16	4	18

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lbestgc.vng	lbest.lbestgc	lbest.sps	lbest.vn	lbest.vngc	lbestgc.sps	lbestgc.vn	lbestgc.vngc	sps.vn	sps.vngc	vn.vngc
1	0	-1	-1	-1	-1	-1	-1	1	1	0
1	0	-1	0	0	-1	0	0	1	1	0
1	0	0	1	1	0	1	1	1	1	0
1	1	0	-1	-1	-1	-1	-1	-1	-1	0
0	1	-1	0	1	-1	-1	0	1	1	1
1	0	-1	-1	-1	-1	-1	-1	1	1	0
1	1	-1	-1	-1	-1	-1	-1	0	1	0
1	0	-1	0	0	-1	0	1	1	1	0
1	0	-1	-1	-1	-1	-1	-1	1	1	0
1	1	-1	-1	-1	-1	-1	-1	1	1	1
1	0	-1	1	1	-1	1	1	1	1	0
0	0	1	-1	-1	1	-1	-1	-1	-1	1
1	0	-1	-1	-1	-1	-1	-1	1	1	0
1	0	-1	-1	-1	-1	-1	-1	1	1	0
1	1	-1	-1	-1	-1	-1	-1	1	1	0
1	0	0	1	1	-1	1	1	1	1	0
1	0	0	1	1	-1	1	1	1	1	0
1	0	-1	-1	-1	-1	-1	-1	1	1	0
1	0	-1	-1	-1	-1	-1	-1	1	1	0
1	0	-1	-1	-1	-1	-1	-1	1	1	1
0	0	15	13	13	18	14	13	2	2	0
2	15	4	3	2	1	2	2	1	0	16
18	5	1	4	5	1	4	5	17	18	4