

	500// 1000	1000// 2000	2000// 5000	5000// 10000		500// 1000	1000// 2000	2000// 5000	5000// 10000		500// 1000	1000// 2000	2000// 5000	5000// 10000
bb.ackley	-1	0	0	0	bba.schwefel2_22	-1	0	0	0	gbestgc.quadric	-1	0	0	0
bb.alpine	-1	0	0	0	bba.schwefel2_26	0	0	0	0	gbestgc.quartic	-1	0	0	0
bb.eggholder	-1	0	0	0	bba.sixhump	0	0	0	0	gbestgc.rastrigin	-1	0	0	0
bb.elliptic	-1	0	0	0	bba.spherical	-1	0	0	0	gbestgc.rosenbrock	1	0	0	0
bb.goldsteinprice	-1	0	0	0	bba.step	-1	0	0	0	gbestgc.salomon	-1	0	0	0
bb.griewank	-1	0	0	0	bba.zakharov	-1	0	0	0	gbestgc.schwefel1_2	-1	0	0	0
bb.levy	-1	0	0	0	gbest.ackley	-1	0	0	0	gbestgc.schwefel2_22	-1	0	0	0
bb.michalewicz	-1	0	0	0	gbest.alpine	-1	0	0	0	gbestgc.schwefel2_26	-1	0	0	0
bb.quadric	-1	0	0	0	gbest.eggholder	-1	0	0	0	gbestgc.sixhump	-1	0	0	0
bb.quartic	-1	-1	1	-1	gbest.elliptic	-1	0	0	0	gbestgc.spherical	-1	0	0	0
bb.rastrigin	-1	0	0	0	gbest.goldsteinprice	-1	0	0	0	gbestgc.step	-1	0	0	0
bb.rosenbrock	1	1	-1	1	gbest.griewank	-1	0	0	0	gbestgc.zakharov	-1	0	0	0
bb.salomon	-1	0	0	0	gbest.levy	-1	0	0	0	lbest.ackley	-1	0	0	0
bb.schwefel1_2	-1	0	0	0	gbest.michalewicz	-1	0	0	0	lbest.alpine	-1	0	0	0
bb.schwefel2_22	-1	0	0	0	gbest.quadric	-1	0	0	0	lbest.eggholder	0	0	0	0
bb.schwefel2_26	-1	0	0	0	gbest.quartic	-1	0	0	0	lbest.elliptic	-1	0	0	0
bb.sixhump	-1	0	0	0	gbest.rastrigin	-1	-1	0	0	lbest.goldsteinprice	-1	0	0	0
bb.spherical	-1	0	0	0	gbest.rosenbrock	1	0	0	0	lbest.griewank	-1	0	0	0
bb.step	-1	0	0	0	gbest.salomon	-1	0	0	0	lbest.levy	-1	-1	1	-1
bb.zakharov	-1	0	0	0	gbest.schwefel1_2	-1	0	0	0	lbest.michalewicz	-1	0	0	0
bba.ackley	-1	0	0	0	gbest.schwefel2_22	-1	0	0	0	lbest.quadric	-1	0	0	0
bba.alpine	-1	0	0	0	gbest.schwefel2_26	-1	0	0	0	lbest.quartic	-1	0	0	0
bba.eggholder	0	0	0	0	gbest.sixhump	-1	0	0	0	lbest.rastrigin	-1	0	0	0
bba.elliptic	-1	0	0	0	gbest.spherical	-1	0	0	0	lbest.rosenbrock	-1	0	0	0
bba.goldsteinprice	-1	0	0	0	gbest.step	-1	0	0	0	lbest.salomon	-1	0	0	0
bba.griewank	-1	0	0	0	gbest.zakharov	-1	0	0	0	lbest.schwefel1_2	-1	0	0	0
bba.levy	-1	0	0	0	gbestgc.ackley	-1	0	0	0	lbest.schwefel2_22	-1	0	0	0
bba.michalewicz	-1	0	0	0	gbestgc.alpine	-1	0	0	0	lbest.schwefel2_26	0	0	0	0
bba.quadric	-1	0	0	0	gbestgc.eggholder	-1	0	0	0	lbest.sixhump	0	0	0	0
bba.quartic	-1	0	0	0	gbestgc.elliptic	-1	0	0	0	lbest.spherical	-1	0	0	0
bba.rastrigin	-1	0	0	0	gbestgc.goldsteinprice	-1	0	0	0	lbest.step	-1	0	0	0
bba.rosenbrock	1	0	0	0	gbestgc.griewank	-1	1	-1	1	lbest.zakharov	-1	0	0	0
bba.salomon	-1	0	0	0	gbestgc.levy	-1	0	0	0	lbestgc.ackley	-1	0	0	0
bba.schwefel1_2	-1	0	0	0	gbestgc.michalewicz	-1	0	0	0	lbestgc.alpine	-1	0	0	0

	500// 1000	1000// 2000	2000// 5000	5000// 10000		500// 1000	1000// 2000	2000// 5000	5000// 10000		500// 1000	1000// 2000	2000// 5000	5000// 10000
lbestgc.eggholder	-1	0	0	0	spso.sixhump	-1	0	0	0	vngc.rastrigin	-1	0	0	0
lbestgc.elliptic	-1	0	0	0	spso.spherical	-1	0	0	0	vngc.rosenbrock	-1	0	0	0
lbestgc.goldsteinprice	-1	0	0	0	spso.step	-1	0	0	0	vngc.salomon	-1	0	0	0
lbestgc.griewank	-1	0	0	0	spso.zakharov	-1	0	0	0	vngc.schwefel1_2	-1	0	0	0
lbestgc.levy	-1	0	0	0	vn.ackley	-1	0	0	0	vngc.schwefel2_22	-1	0	0	0
lbestgc.michalewicz	-1	0	0	0	vn.alpine	-1	0	0	0	vngc.schwefel2_26	-1	0	0	0
lbestgc.quadric	-1	0	0	0	vn.eggholder	-1	0	0	0	vngc.sixhump	-1	0	0	0
lbestgc.quartic	-1	0	0	0	vn.elliptic	-1	1	-1	1	vngc.spherical	-1	0	0	0
lbestgc.rastrigin	-1	0	0	0	vn.goldsteinprice	-1	-1	1	0	vngc.step	-1	0	0	0
lbestgc.rosenbrock	-1	0	0	0	vn.griewank	-1	0	0	0	vngc.zakharov	-1	0	0	0
lbestgc.salomon	-1	0	0	0	vn.levy	-1	0	0	0					
lbestgc.schwefel1_2	-1	0	0	0	vn.michalewicz	-1	0	0	0					
lbestgc.schwefel2_22	-1	0	0	0	vn.quadric	-1	0	0	0					
lbestgc.schwefel2_26	-1	0	0	0	vn.quartic	-1	0	0	0					
lbestgc.sixhump	-1	0	0	0	vn.rastrigin	-1	0	0	0					
lbestgc.spherical	-1	0	0	0	vn.rosenbrock	-1	0	0	0					
lbestgc.step	-1	0	0	0	vn.salomon	-1	0	0	0					
lbestgc.zakharov	-1	0	0	0	vn.schwefel1_2	-1	0	0	0					
spso.ackley	-1	0	0	0	vn.schwefel2_22	-1	1	-1	1					
spso.alpine	-1	0	0	0	vn.schwefel2_26	0	0	0	0					
spso.eggholder	-1	0	0	0	vn.sixhump	0	0	0	0					
spso.elliptic	-1	0	0	0	vn.spherical	-1	0	0	0					
spso.goldsteinprice	-1	0	0	0	vn.step	-1	0	0	0					
spso.griewank	-1	0	0	0	vn.zakharov	-1	0	0	0					
spso.levy	-1	0	0	0	vngc.ackley	-1	0	0	0					
spso.michalewicz	-1	0	0	0	vngc.alpine	-1	0	0	0					
spso.quadric	-1	0	0	0	vngc.eggholder	0	0	0	0					
spso.quartic	-1	0	0	0	vngc.elliptic	-1	0	0	0					
spso.rastrigin	-1	1	-1	1	vngc.goldsteinprice	-1	0	0	0					
spso.rosenbrock	-1	0	0	0	vngc.griewank	-1	-1	1	-1					
spso.salomon	-1	0	0	0	vngc.levy	-1	0	0	0					
spso.schwefel1_2	-1	0	0	0	vngc.michalewicz	0	0	0	0					
spso.schwefel2_22	-1	0	0	0	vngc.quadric	-1	0	0	0					
spso.schwefel2_26	-1	0	0	0	vngc.quartic	-1	0	0	0					