	500			1000			2000			5000			10 000		
	-1	0	1	-1	0	1	-1	0	1	-1	0	1	-1	0	1
bb.bba	0	2	18	0	2	18	0	3	17	0	2	18	0	3	17
bb.gbest	10	7	3	9	8	3	8	9	3	9	8	3	8	9	3
bb.gbestgc	10	5	5	9	5	6	7	9	4	9	5	6	7	8	5
bb.lbest	1	3	16	1	5	14	1	4	15	1	5	14	1	4	15
bb.lbestgc	1	0	19	1	4	15	1	4	15	1	4	15	1	3	16
bb.spso	9	6	5	9	5	6	10	6	4	10	4	6	10	4	6
bb.vn	2	3	15	2	3	15	2	2	16	2	3	15	2	2	16
bb.vngc	2	3	15	2	2	16	2	1	17	2	2	16	2	1	17
bba.gbest	17	3	0	16	3	1	16	3	1	16	3	1	15	4	1
bba.gbestgc	15	4	1	15	3	2	13	5	2	14	4	2	13	5	2
bba.lbest	3	6	11	3	5	12	3	6	11	3	6	11	2	7	11
bba.lbestgc	3	4	13	4	4	12	3	5	12	4	4	12	3	5	12
bba.spso	15	3	2	16	2	2	15	3	2	16	2	2	15	3	2
bba.vn	6	5	9	7	2	11	7	3	10	7	2	11	6	3	11
bba.vngc	5	4	11	6	4	10	6	3	11	6	3	11	6	2	12
gbest.gbestgc	1	15	4	0	16	4	0	14	6	0	17	3	0	14	6
gbest.lbest	0	3	17	0	4	16	0	3	17	0	4	16	0	4	16
gbest.lbestgc	0	2	18	0	3	17	0	3	17	0	3	17	0	3	17
gbest.spso	11	4	5	11	5	4	9	7	4	11	5	4	10	5	5
gbest.vn	0	1	19	0	1	19	1	2	17	0	1	19	1	0	19
gbest.vngc	0	0	20	0	1	19	0	2	18	0	1	19	0	1	19
gbestgc.lbest	1	3	16	1	3	16	1	3	16	1	3	16	1	3	16
gbestgc.lbestgc	0	3	17	0	4	16	0	4	16	0	4	16	0	4	16
gbestgc.spso	13	2	5	13	2	5	12	5	3	13	3	4	12	4	4
gbestgc.vn	1	1	18	1	1	18	1	2	17	1	1	18	1	1	18
gbestgc.vngc	0	1	19	0	2	18	0	3	17	0	2	18	0	2	18
lbest.lbestgc	0	17	3	0	17	3	0	15	5	0	17	3	0	15	5
lbest.spso	18	2	0	18	1	1	16	3	1	17	2	1	15	4	1
lbest.vn	13	4	3	13	3	4	13	4	3	13	3	4	13	3	4
lbest.vngc	13	2	5	13	2	5	13	3	4	13	2	5	13	2	5
lbestgc.spso	18	2	0	19	0	1	18	1	1	19	0	1	18	1	1
lbestgc.vn	14	3	3	14	2	4	14	3	3	14	2	4	14	2	4
lbestgc.vngc	13	4	3	13	2	5	13	3	4	13	2	5	13	2	5
spso.vn	2	1	17	2	1	17	2	1	17	2	1	17	2	1	17
spso.vngc	2	0	18	2	0	18	2	0	18	2	0	18	2	0	18
vn.vngc	0	16	4	0	17	3	0	16	4	0	16	4	0	16	4