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