PSM Run Time Table

	Proposed Algorithm					Brute-Force				
P	G=2	G=3	G=4	G=5	G=6	G=2	G=3	G=4	G=5	G=6
4	~0ms	-	-	-	-	~0ms	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-
6	~0ms	-	-	-	-	~0ms	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-
8	~0ms	-	-	-	-	~0ms	-	-	-	-
9	-	~0ms	-	-	-	-	0,3ms	-	-	-
10	~0ms	-	-	-	-	3,1ms	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-
12	0,1ms	~0ms	-	-	-	23ms	4,3ms	-	-	-
13	-	-	-	-	-	-	-	-	-	-
14	0,1ms	-	-	-	-	30ms	-	-	-	-
15	-	0,1ms	-	-	-	-	70ms	-	-	-
16	0,2ms	-	~0ms	-	-	61ms	-	~0ms	-	-
17	-	-	-	-	-	-	-	-	-	-
18	0,2ms	0,1ms	-	-	-	6,4s	1,2s	-	-	-
19	-	-	-	-	-	-	-	-	-	-
20	0,3ms	-	0,4ms	-	-	88s	-	0,7s	-	-
21	-	0,2ms	-	-	-	-	0,6s	-	-	-
22	0,4ms	-	-	-	-	1096s	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-
24	0,5ms	0,5ms	0,9ms	-	-	x	5,1s	3,8s	-	-
25	-	-	-	0,1ms	-	-	-	-	0,3s	-
26	0,7ms	-	-	-	-	x	-	-	-	-
27	-	1ms	-	-	-	-	54s	-	-	-
28	0,9ms	-	2,6ms	-	-	x	-	3,7s	-	-
29	-	-	-	-	-	-	-	-	-	-
30	1,2ms	2ms	-	1,1s	-	x	x	-	x	-
31	-	-	-	-	-	-	-	-	-	-
32	1,8ms	-	8,6ms	-	-	x	-	0,5s	-	-
33	-	5,5ms	-	-	-	-	x	-	-	-
34	2,3ms	-	-	-	-	x	-	-	-	-
35	-	-	-	1,2s	-	-	-	-	x	-
36	3ms	8,8ms	25ms	-	0,2ms	x	x	102s	-	215s
37	-	-	-	-	-	-	-	-	-	-
38	4,3ms	-	-	-	-	x	-	-	-	-
39	-	19ms	-	-	-	-	x	-	-	-
40	7,2ms	-	72ms	1,7s	-	x	-	x	x	-

Table 1: The Table shows the average computation time needed to generate a single complete sequence for specific configurations (p,g). Run time tests were conducted on an i5 2500k without parallel computing (only a single core was used). For large problem instances, it was not possible to measure the brute-force run time due to its substantial increase in computation time.