Table 1

ML IDS performance test results without minimization.
(*surtr* was used as obfuscated test malware)

iteration	RPS (ms)	Latency (ms)	Throughroup (mbit/s)	htop (CPU core utilization, %)				RAM (utilization, %)
				I	**II**	**III**	**IV**	
0.	3,82354568	18,32658745	8	17	15	16	3	11
1.	6,23548941	25,23658945	6	11	18	18	2	10
2.	4,30215645	19,12358523	11	16	19	19	6	11
3.	3,10235485	21,32569875	12	19	18	18	5	12
4.	4,30236587	21,12365852	14	18	19	19	2	16
5.	3,82354568	19,32658745	16	17	15	16	3	14
6.	4,36987546	21,23202321	15	16	19	19	3	11
7.	3,26548752	19,23658987	8	14	18	18	2	10
8.	6,35987546	22,36589087	8	15	17	18	4	11
9.	4,36987546	19,23654874	9	17	19	21	2	12
10.	3,26548752	20,32658745	10	18	19	24	5	13
11.	6,35987546	22,23658945	11	15	21	15	6	13
12.	6,35987546	19,12358523	12	16	18	19	5	12
13.	3,25648751	20,32569875	16	14	17	18	6	10
14.	7,23569542	24,12365852	14	17	19	21	4	11
15.	6,12365487	18,20357468	12	18	19	24	5	12
16.	6,35987546	28,15985645	11	15	21	15	6	15
17.	3,25648751	25,35823654	12	16	18	19	5	16
18.	7,23569542	26,12352014	11	14	17	18	5	11
19.	6,12365487	27,23589545	11	18	18	21	3	12

Table 2

ML IDS performance test results with minimization
(*surtr* was used as obfuscated test malware)

iteration	RPS (ms)	Latency (ms)	Throughroup (mbit/s)	htop (CPU core utilization, %)				RAM (utilization, %)
				I	**II**	**III**	**IV**	
0.	1,02356542	3,12032457	26	6	13	11	3	35
1.	1,32565487	2,12365478	25	7	10	12	4	36
2.	2,35689785	1,03241236	24	8	10	14	5	34
3.	2,12365445	7,65487896	26	9	8	15	2	38
4.	2,65487123	3,12032457	21	8	9	10	3	32
5.	3,25456878	2,12365478	22	7	7	11	3	34
6.	2,35654781	3,01236547	26	7	10	9	4	36
7.	1,02356542	2,32458532	26	9	11	7	3	35
8.	1,32505487	3,12354865	25	6	13	11	4	34
9.	2,35689785	3,12365911	21	9	11	7	5	36
10.	2,12365445	2,32458532	25	10	16	8	2	34
11.	2,65487123	3,12354865	25	11	17	10	3	30
12.	3,25456878	3,12365911	29	7	10	16	3	33
13.	1,32500487	1,03241236	25	9	10	14	4	35
14.	2,35089785	1,03241236	25	8	8	11	6	35
15.	2,12305445	7,65487896	24	9	11	7	3	39
16.	2,65457123	2,12325498	23	10	16	8	5	30
17.	3,25456878	2,32458532	20	11	11	10	2	34
18.	1,32565487	3,12354865	22	12	7	10	5	32
19.	2,35681785	3,12365911	23	10	10	11	3	35