

Table 1

The results of the *flip* CNN polymorphic software detection test with the size of the «state matrix» 16x16 at 3 iterations.

N	The value of the coefficients calculated by the Fadeev-Leverrier method for the activation of the CNN	Control number of contiguous «useful» datasets* (byte)	Number of fragments calculated «useful» datasets ** (byte)	Number of malicious data sets detected and likely links across multiple iterations			Number of malicious datasets detected and likely links across multiple iterations
				I	II	III	
1.	0.140217	48	14	29	34	42	f84de6b0717ef339a618828e50f85c015a8f06ce f84de6b0717ef339a618828e50f85c015a8f06ce
2.	0.198752	56	16	31	38	44	f25f6873bbbd69f1fe653b3e6bd40d543b8d0e f25f6873bbbd69f1fe653b3e6bd40d543b8d0e
3.	0.224811	62	20	42	48	55	08bf49512cb8df5e56cad3d0f79d19d43515defd 08bf49512cb8df5e56cad3d0f79d19d43515defd
4.	0.246242	74	28	61	66	73	c991fe0b6a23441e83205d73da139325c05e91d c991fe0b6a23441e83205d73da139325c05e91d
5.	0.354201	83	34	72	77	82	6737534395bf91ac6388f269bb35a3f4aad843b a51f934bcd4570c6997d4842389f039aa696ae
6.	0.383127	95	30	82	89	73	e513f877f9f9f3a0e2b0577d7cce0f8f2781be8a 83fec212adac33ede2a2b99d1bdf08be49dbcd
7.	0.400125	118	37	112	114	117	d3199924a26045493cc89389ca57480c91cc050 d3199924a26045493cc89389ca57480c91cc050
8.	0.432157	137	42	124	130	136	7181e4de01f9ce3b00d47583389f8cc3ea12b21 7181e4de01f9ce3b00d47583389f8cc3ea12b21
9.	0.473012	152	55	142	147	151	8b87f4e8350d72178b119c70157c94e39354a66 8b87f4e8350d72178b119c70157c94e39354a66
10.	0.523481	159	62	150	155	158	8ce6bc5cb5445c9f4bf72579e5a5b1038c84c24 8ce6bc5cb5445c9f4bf72579e5a5b1038c84c24
11.	0.730125	167	64	160	161	166	184648b55022559fa46624a2340c4bd6d80ff54 184648b55022559fa46624a2340c4bd6d80ff54
12.	0.823456	182	72	172	178	181	f9fba473c76ff5e27ef86ba41e8749caf13011da bee23d9ab49ec2e0ece2d08bf30e18307291241
13.	0.946523	195	80	187	191	194	095c476cd53b527d9a56051f5adb7aac3d5a9c3 095c476cd53b527d9a56051f5adb7aac3d5a9c3
14.	1.135022	206	82	195	201	205	4cbfe24850efdf31665fdca07317bd769dabe691 4cbfe24850efdf31665fdca07317bd769dabe691
15.	1.394012	216	94	211	212	215	6e4105ca9caf3b9e7b2a02397c500ce029d51cc 6e4105ca9caf3b9e7b2a02397c500ce029d51cc
16.	1.430213	225	103	221	223	224	0d712d912ef2c6d1932167d79f017f23b3bbd42 0d712d912ef2c6d1932167d79f017f23b3bbd42
17.	1.876214	227	105	220	223	227	ecdc2940f5b13ddb6a3f241981b3a58d6c55ee1 ecdc2940f5b13ddb6a3f241981b3a58d6c55ee1
18.	2.234686	256	106	234	246	254	54611fd369c110414349f31ba55c5319eeb0d1e 54611fd369c110414349f31ba55c5319eeb0d1e
19.	2.340123	281	103	275	277	279	8da139ffbd82a47c8efef34b57d5c7ccfb37ca81 8da139ffbd82a47c8efef34b57d5c7ccfb37ca81
20.	2.763245	307	109	288	298	298	fa302880adafd79dcae18006e194c5b5a4bf3e20 fa302880adafd79dcae18006e194c5b5a4bf3e20