

THEMIS

HUFFMAN-3A

CODE	INPUT	LENGTH	Input Bits	Out Leng	Out Bits	Inv Leng	Inv Bits
000	7034	3	21102	1	7034	5	35170
001	913	3	2739	3	2739	5	4565
010	757	3	2271	3	2271	5	3785
011	343	3	1029	3	1029	5	1715
100	950	3	2850	5	4750	3	2850
101	145	3	435	5	725	3	435
110	330	3	990	5	1650	3	990
111	109	3	327	5	545	1	109
			31743		20743		49619
			3967.875 Bytes		65.3%		156%
					1.530 CR		0.640 CR

HUFFMAN-4A

CODE	INPUT	LENGTH	Input Bits	Out Leng	Out Bits	Inv Leng	Inv Bits
0000	5068	4	20272	1	5068	10	50680
0001	879	4	3516	4	3516	10	8790
0010	468	4	1872	4	1872	8	3744
0011	253	4	1012	4	1012	8	2024
0100	179	4	716	4	716	8	1432
0101	114	4	456	4	456	6	684
0110	169	4	676	4	676	6	1014
0111	117	4	468	4	468	6	702
1000	121	4	484	6	726	4	484
1001	97	4	388	6	582	4	388
1010	56	4	224	6	336	4	224
1011	70	4	280	8	560	4	280
1100	95	4	380	8	760	4	380
1101	88	4	352	8	704	4	352
1110	105	4	420	10	1050	4	420
1111	57	4	228	10	570	1	57
			28988		13784		69070
			3623.5 Bytes		47.6%		238%
					2.103 CR		0.420 CR

HUFFMAN-4B

CODE	INPUT	LENGTH	Input Bits	Out Leng	Out Bits	Inv Leng	Inv Bits
0000	5068	4	20272	2	10136	10	50680
0001	879	4	3516	2	1758	10	8790
0010	468	4	1872	2	936	10	4680
0011	253	4	1012	4	1012	10	2530
0100	179	4	716	4	716	8	1432
0101	114	4	456	4	456	8	912
0110	169	4	676	6	1014	8	1352
0111	117	4	468	6	702	6	702
1000	121	4	484	6	726	6	726
1001	97	4	388	8	776	6	582
1010	56	4	224	8	448	4	224
1011	70	4	280	8	560	4	280
1100	95	4	380	10	950	4	380
1101	88	4	352	10	880	2	176
1110	105	4	420	10	1050	2	210
1111	57	4	228	10	570	2	114
			28988		16730		71078
			3623.5 Bytes		57.7%		245%
					1.733 CR		0.408 CR

THEMIS

HUFFMAN-8A

CODE	INPUT	LENGTH	Input Bits	Out Leng	Out Bits	Inv Leng	Inv Bits
0	1404	8	11232	1	1404	18	25272
1	399	8	3192	4	1596	18	7182
2	404	8	3232	4	1616	18	7272
3	221	8	1768	4	884	18	3978
4	130	8	1040	4	520	18	2340
5	73	8	584	4	292	18	1314
6	155	8	1240	4	620	18	2790
7	110	8	880	4	440	18	1980
8	115	8	920	7	805	18	2070
9	92	8	736	7	644	18	1656
10	52	8	416	7	364	18	936
11	66	8	528	7	462	18	1188
12	91	8	728	7	637	18	1638
13	85	8	680	7	595	18	1530
14	103	8	824	7	721	18	1854
15	56	8	448	10	560	18	1008
16	106	8	848	10	1060	18	1908
17	69	8	552	10	690	18	1242
18	63	8	504	10	630	18	1134
19	32	8	256	10	320	18	576
20	49	8	392	10	490	18	882
21	41	8	328	10	410	18	738
22	14	8	112	13	182	18	252
23	8	8	64	13	104	18	144
24	6	8	48	13	78	18	108
25	5	8	40	13	65	18	90
26	4	8	32	13	52	18	72
27	4	8	32	13	52	18	72
28	4	8	32	13	52	18	72
29	3	8	24	18	54	18	54
30	2	8	16	18	36	18	36
31	1	8	8	18	18	18	18
32	1	8	8	18	18	18	18
33	0	8	0	18	0	18	0
34	0	8	0	18	0	18	0
35	0	8	0	18	0	18	0
36	0	8	0	18	0	18	0
37	0	8	0	18	0	18	0
38	0	8	0	18	0	18	0
39	0	8	0	18	0	18	0
40	0	8	0	18	0	18	0
41	0	8	0	18	0	18	0
42	0	8	0	18	0	18	0
43	0	8	0	18	0	18	0
44	0	8	0	18	0	18	0
45	0	8	0	18	0	18	0
46	0	8	0	18	0	18	0
47	0	8	0	18	0	18	0
48	0	8	0	18	0	18	0
49	0	8	0	18	0	18	0
50	0	8	0	18	0	18	0
51	0	8	0	18	0	18	0
52	0	8	0	18	0	18	0
53	0	8	0	18	0	18	0
54	0	8	0	18	0	18	0
55	0	8	0	18	0	18	0
56	0	8	0	18	0	18	0
57	0	8	0	18	0	18	0
58	0	8	0	18	0	18	0

59	0	8	0	18	0	18	0
60	0	8	0	18	0	18	0
61	0	8	0	18	0	18	0
62	0	8	0	18	0	18	0
63	0	8	0	18	0	18	0
64	0	8	0	18	0	18	0
65	0	8	0	18	0	18	0
66	0	8	0	18	0	18	0
67	0	8	0	18	0	18	0
68	0	8	0	18	0	18	0
69	0	8	0	18	0	18	0
70	0	8	0	18	0	18	0
71	0	8	0	18	0	18	0
72	0	8	0	18	0	18	0
73	0	8	0	18	0	18	0
74	0	8	0	18	0	18	0
75	0	8	0	18	0	18	0
76	0	8	0	18	0	18	0
77	0	8	0	18	0	18	0
78	0	8	0	18	0	18	0
79	0	8	0	18	0	18	0
80	0	8	0	18	0	18	0
81	0	8	0	18	0	18	0
82	0	8	0	18	0	18	0
83	0	8	0	18	0	18	0
84	0	8	0	18	0	18	0
85	0	8	0	18	0	18	0
86	0	8	0	18	0	18	0
87	0	8	0	18	0	18	0
88	0	8	0	18	0	18	0
89	0	8	0	18	0	18	0
90	0	8	0	18	0	18	0
91	0	8	0	18	0	18	0
92	0	8	0	18	0	18	0
93	0	8	0	18	0	18	0
94	0	8	0	18	0	18	0
95	0	8	0	18	0	18	0
96	0	8	0	18	0	18	0
97	0	8	0	18	0	18	0
98	0	8	0	18	0	18	0
99	0	8	0	18	0	18	0
100	0	8	0	18	0	18	0
101	0	8	0	18	0	18	0
102	0	8	0	18	0	18	0
103	0	8	0	18	0	18	0
104	0	8	0	18	0	18	0
105	0	8	0	18	0	18	0
106	0	8	0	18	0	18	0
107	0	8	0	18	0	18	0
108	0	8	0	18	0	18	0
109	0	8	0	18	0	18	0
110	0	8	0	18	0	18	0
111	0	8	0	18	0	18	0
112	0	8	0	18	0	18	0
113	0	8	0	18	0	18	0
114	0	8	0	18	0	18	0
115	0	8	0	18	0	18	0
116	0	8	0	18	0	18	0
117	0	8	0	18	0	18	0
118	0	8	0	18	0	18	0
119	0	8	0	18	0	18	0
120	0	8	0	18	0	18	0
121	0	8	0	18	0	18	0

122	0	8	0	18	0	18	0
123	0	8	0	18	0	18	0
124	0	8	0	18	0	18	0
125	0	8	0	18	0	18	0
126	0	8	0	18	0	18	0
127	0	8	0	18	0	18	0
128	0	8	0	18	0	18	0
129	0	8	0	18	0	18	0
130	0	8	0	18	0	18	0
131	0	8	0	18	0	18	0
132	0	8	0	18	0	18	0
133	0	8	0	18	0	18	0
134	0	8	0	18	0	18	0
135	0	8	0	18	0	18	0
136	0	8	0	18	0	18	0
137	0	8	0	18	0	18	0
138	0	8	0	18	0	18	0
139	0	8	0	18	0	18	0
140	0	8	0	18	0	18	0
141	0	8	0	18	0	18	0
142	0	8	0	18	0	18	0
143	0	8	0	18	0	18	0
144	0	8	0	18	0	18	0
145	0	8	0	18	0	18	0
146	0	8	0	18	0	18	0
147	0	8	0	18	0	18	0
148	0	8	0	18	0	18	0
149	0	8	0	18	0	18	0
150	0	8	0	18	0	18	0
151	0	8	0	18	0	18	0
152	0	8	0	18	0	18	0
153	0	8	0	18	0	18	0
154	0	8	0	18	0	18	0
155	0	8	0	18	0	18	0
156	0	8	0	18	0	18	0
157	0	8	0	18	0	18	0
158	0	8	0	18	0	18	0
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162	0	8	0	18	0	18	0
163	0	8	0	18	0	18	0
164	0	8	0	18	0	18	0
165	0	8	0	18	0	18	0
166	0	8	0	18	0	18	0
167	0	8	0	18	0	18	0
168	0	8	0	18	0	18	0
169	0	8	0	18	0	18	0
170	0	8	0	18	0	18	0
171	0	8	0	18	0	18	0
172	0	8	0	18	0	18	0
173	0	8	0	18	0	18	0
174	0	8	0	18	0	18	0
175	0	8	0	18	0	18	0
176	0	8	0	18	0	18	0
177	0	8	0	18	0	18	0
178	0	8	0	18	0	18	0
179	0	8	0	18	0	18	0
180	0	8	0	18	0	18	0
181	0	8	0	18	0	18	0
182	0	8	0	18	0	18	0
183	0	8	0	18	0	18	0
184	0	8	0	18	0	18	0

185	0	8	0	18	0	18	0
186	0	8	0	18	0	18	0
187	0	8	0	18	0	18	0
188	0	8	0	18	0	18	0
189	0	8	0	18	0	18	0
190	0	8	0	18	0	18	0
191	0	8	0	18	0	18	0
192	0	8	0	18	0	18	0
193	0	8	0	18	0	18	0
194	0	8	0	18	0	18	0
195	0	8	0	18	0	18	0
196	0	8	0	18	0	18	0
197	0	8	0	18	0	18	0
198	0	8	0	18	0	18	0
199	0	8	0	18	0	18	0
200	0	8	0	18	0	18	0
201	0	8	0	18	0	18	0
202	0	8	0	18	0	18	0
203	0	8	0	18	0	18	0
204	0	8	0	18	0	18	0
205	0	8	0	18	0	18	0
206	0	8	0	18	0	18	0
207	0	8	0	18	0	18	0
208	0	8	0	18	0	18	0
209	0	8	0	18	0	18	0
210	0	8	0	18	0	18	0
211	0	8	0	18	0	18	0
212	0	8	0	18	0	18	0
213	0	8	0	18	0	18	0
214	0	8	0	18	0	18	0
215	0	8	0	18	0	18	0
216	0	8	0	18	0	18	0
217	0	8	0	18	0	18	0
218	0	8	0	18	0	18	0
219	0	8	0	18	0	18	0
220	0	8	0	18	0	18	0
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223	0	8	0	18	0	18	0
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226	0	8	0	18	0	18	0
227	0	8	0	18	0	13	0
228	0	8	0	18	0	13	0
229	0	8	0	18	0	13	0
230	0	8	0	18	0	13	0
231	0	8	0	18	0	13	0
232	0	8	0	18	0	13	0
233	0	8	0	18	0	13	0
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235	0	8	0	18	0	10	0
236	0	8	0	18	0	10	0
237	0	8	0	18	0	10	0
238	0	8	0	18	0	10	0
239	0	8	0	18	0	10	0
240	0	8	0	18	0	10	0
241	0	8	0	18	0	7	0
242	0	8	0	18	0	7	0
243	0	8	0	18	0	7	0
244	0	8	0	18	0	7	0
245	0	8	0	18	0	7	0
246	0	8	0	18	0	7	0
247	0	8	0	18	0	7	0

248	0	8	0	18	0	4	0
249	0	8	0	18	0	4	0
250	0	8	0	18	0	4	0
251	0	8	0	18	0	4	0
252	0	8	0	18	0	4	0
253	0	8	0	18	0	4	0
254	0	8	0	18	0	4	0
255	0	8	0	18	0	1	0
			31744		16471		71424
			3968 Bytes		51.9%		225%
					1.927 CR		0.444 CR