

Color Code	Probability	Codeword
0	0	0
1	0	1
2	0	10
3	0	11
4	3.05E-05	100
5	3.05E-05	101
6	3.05E-05	110
7	1.53E-05	111
8	7.63E-05	1000
9	6.10E-05	1001
10	0.000106812	1010
11	0.000396729	1011
12	0.000579834	1100
13	0.001159668	1101
14	0.001434326	1110
15	0.001464844	1111
16	0.001846313	10000
17	0.00239563	10001
18	0.002212524	10010
19	0.002365112	10011
20	0.002182007	10100
21	0.002212524	10101
22	0.00227356	10110
23	0.002182007	10111
24	0.002105713	11000
25	0.002365112	11001
26	0.002624512	11010
27	0.002731323	11011
28	0.002944946	11100
29	0.002655029	11101
30	0.0025177	11110
31	0.002838135	11111
32	0.002960205	100000
33	0.003173828	100001
34	0.00328064	100010
35	0.003234863	100011
36	0.003204346	100100
37	0.00402832	100101
38	0.004089355	100110
39	0.00491333	100111
40	0.00541687	101000
41	0.005310059	101001
42	0.005661011	101010
43	0.006774902	101011
44	0.006835938	101100
45	0.007354736	101101

46	0.007400513	101110
47	0.007858276	101111
48	0.007919312	110000
49	0.008453369	110001
50	0.008956909	110010
51	0.010238647	110011
52	0.00970459	110100
53	0.010360718	110101
54	0.012359619	110110
55	0.01260376	110111
56	0.013046265	111000
57	0.013320923	111001
58	0.013000488	111010
59	0.012924194	111011
60	0.012283325	111100
61	0.010955811	111101
62	0.010803223	111110
63	0.010192871	111111
64	0.009536743	1000000
65	0.009414673	1000001
66	0.009033203	1000010
67	0.007949829	1000011
68	0.007522583	1000100
69	0.006790161	1000101
70	0.006515503	1000110
71	0.006088257	1000111
72	0.006118774	1001000
73	0.005264282	1001001
74	0.005493164	1001010
75	0.005310059	1001011
76	0.0052948	1001100
77	0.005401611	1001101
78	0.004882813	1001110
79	0.004684448	1001111
80	0.0052948	1010000
81	0.005523682	1010001
82	0.004898071	1010010
83	0.005142212	1010011
84	0.004837036	1010100
85	0.004638672	1010101
86	0.004211426	1010110
87	0.004074097	1010111
88	0.004501343	1011000
89	0.004302979	1011001
90	0.003982544	1011010
91	0.003692627	1011011
92	0.004562378	1011100

93	0.004257202	1011101
94	0.00453186	1011110
95	0.00428772	1011111
96	0.004074097	1100000
97	0.004272461	1100001
98	0.004470825	1100010
99	0.004501343	1100011
100	0.005310059	1100100
101	0.004379272	1100101
102	0.005264282	1100110
103	0.005203247	1100111
104	0.004852295	1101000
105	0.005172729	1101001
106	0.004455566	1101010
107	0.004837036	1101011
108	0.004989624	1101100
109	0.004776001	1101101
110	0.005126953	1101110
111	0.005126953	1101111
112	0.00541687	1110000
113	0.005233765	1110001
114	0.005569458	1110010
115	0.004882813	1110011
116	0.00541687	1110100
117	0.004592896	1110101
118	0.00491333	1110110
119	0.005462646	1110111
120	0.005203247	1111000
121	0.005050659	1111001
122	0.004989624	1111010
123	0.005203247	1111011
124	0.005050659	1111100
125	0.00453186	1111101
126	0.005355835	1111110
127	0.004867554	1111111
128	0.004821777	10000000
129	0.005462646	10000001
130	0.004806519	10000010
131	0.005477905	10000011
132	0.005752563	10000100
133	0.005554199	10000101
134	0.005508423	10000110
135	0.004562378	10000111
136	0.005340576	10001000
137	0.004623413	10001001
138	0.004608154	10001010
139	0.005371094	10001011

140	0.005081177	10001100
141	0.005233765	10001101
142	0.005050659	10001110
143	0.004852295	10001111
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146	0.004074097	10010010
147	0.004226685	10010011
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149	0.004150391	10010101
150	0.003799438	10010110
151	0.004089355	10010111
152	0.003723145	10011000
153	0.003570557	10011001
154	0.003814697	10011010
155	0.003616333	10011011
156	0.003494263	10011100
157	0.003356934	10011101
158	0.00378418	10011110
159	0.003692627	10011111
160	0.003997803	10100000
161	0.004043579	10100001
162	0.003631592	10100010
163	0.00378418	10100011
164	0.003646851	10100100
165	0.003143311	10100101
166	0.003143311	10100110
167	0.003234863	10100111
168	0.003005981	10101000
169	0.003433228	10101001
170	0.002487183	10101010
171	0.002761841	10101011
172	0.002380371	10101100
173	0.002487183	10101101
174	0.00239563	10101110
175	0.00213623	10101111
176	0.002487183	10110000
177	0.002319336	10110001
178	0.002105713	10110010
179	0.002090454	10110011
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181	0.002532959	10110101
182	0.002090454	10110110
183	0.002349854	10110111
184	0.002410889	10111000
185	0.002090454	10111001
186	0.002487183	10111010

187	0.00227356	10111011
188	0.002288818	10111100
189	0.002304077	10111101
190	0.001876831	10111110
191	0.001800537	10111111
192	0.001831055	11000000
193	0.001876831	11000001
194	0.001617432	11000010
195	0.001876831	11000011
196	0.001831055	11000100
197	0.001617432	11000101
198	0.001586914	11000110
199	0.001754761	11000111
200	0.001708984	11001000
201	0.001876831	11001001
202	0.00189209	11001010
203	0.001708984	11001011
204	0.001647949	11001100
205	0.001495361	11001101
206	0.001663208	11001110
207	0.001754761	11001111
208	0.001556396	11010000
209	0.001174927	11010001
210	0.001358032	11010010
211	0.001495361	11010011
212	0.001251221	11010100
213	0.001190186	11010101
214	0.00112915	11010110
215	0.001174927	11010111
216	0.001464844	11011000
217	0.001190186	11011001
218	0.001419067	11011010
219	0.001022339	11011011
220	0.00112915	11011100
221	0.001205444	11011101
222	0.001083374	11011110
223	0.001174927	11011111
224	0.001174927	11100000
225	0.001022339	11100001
226	0.001251221	11100010
227	0.001159668	11100011
228	0.001174927	11100100
229	0.001068115	11100101
230	0.001174927	11100110
231	0.001159668	11100111
232	0.001083374	11101000
233	0.001159668	11101001

234	0.001022339	11101010
235	0.001312256	11101011
236	0.001037598	11101100
237	0.001235962	11101101
238	0.001098633	11101110
239	0.001083374	11101111
240	0.001281738	11110000
241	0.00138855	11110001
242	0.001403809	11110010
243	0.001312256	11110011
244	0.001205444	11110100
245	0.001419067	11110101
246	0.001342773	11110110
247	0.001403809	11110111
248	0.001480103	11111000
249	0.001678467	11111001
250	0.001785278	11111010
251	0.001800537	11111011
252	0.001922607	11111100
253	0.002380371	11111101
254	0.004119873	11111110
255	0.038101196	11111111