

TOYOCRYPT シリーズの評価に利用した鍵の種類

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1 鍵の種類

1.1 固定鍵

固定鍵は下記の 100 個のものを用意した。鍵名称は c [特徴][番号] の形式をしている。 c_4, c_5, c_6 は bit on となる数が各々 4, 5, 6 を意味している。 ca, cb, cc は bit on となる値が大きいもの、 cr はそのような条件を持たずに生成したものである。 ct は「自己評価書」に記載されていた鍵 (提案者が生成したもの) である。

$c_{4001} C = 00000000\ 00000000\ 00000008\ 04008001$
 $c_{4002} C = 00000000\ 00008000\ 00000000\ 20000041$
 $c_{4003} C = 20200000\ 00000000\ 00080000\ 00000001$
 $c_{4004} C = 02000000\ 00000002\ 00004000\ 00000001$
 $c_{4005} C = 00000000\ 40000000\ 00004000\ 20000001$
 $c_{4006} C = 00000000\ 00080000\ 00000000\ 01000003$
 $c_{4007} C = 00000800\ 00020000\ 00000000\ 00000003$
 $c_{4008} C = 00400000\ 00000000\ 00400000\ 00002001$
 $c_{4009} C = 20000000\ 10000000\ 00080000\ 00000001$
 $c_{4010} C = 00000100\ 80000000\ 00000200\ 00000001$
 $c_{5001} C = 0c080000\ 00020000\ 00000000\ 00008001$
 $c_{5002} C = 04000000\ 00000000\ 10006002\ 00000001$
 $c_{5003} C = 00000100\ 00004000\ 000b0000\ 00000001$
 $c_{5004} C = 00000000\ 00010000\ 00000404\ 20000801$
 $c_{5005} C = 10000000\ 00000004\ 02008002\ 00000001$
 $c_{5006} C = 00000000\ 00004040\ 00060400\ 00000001$
 $c_{5007} C = 00008000\ 80008000\ 00000000\ 40002001$
 $c_{5008} C = 00880008\ 00000000\ 00400000\ 00000041$
 $c_{5009} C = 02000000\ 00800400\ 20040000\ 00000001$
 $c_{5010} C = 00000000\ 00000000\ 05002000\ 00202001$
 $c_{6001} C = 00000010\ 00010000\ 08000021\ 00000001$
 $c_{6002} C = 00008041\ 02000000\ 00000000\ 01000001$
 $c_{6003} C = 00000000\ 00000000\ 80000010\ 00000c03$
 $c_{6004} C = 00000000\ 04000000\ 00100020\ 00400401$
 $c_{6005} C = 00003008\ 00000000\ 04000000\ 00008001$
 $c_{6006} C = 00002004\ 00000800\ 00000000\ 00080041$

$c_{6007} C = 00000000\ 00000008\ 40280008\ 00000001$
 $c_{6008} C = 00002000\ 00000000\ 08010000\ 00000811$
 $c_{6009} C = 01000000\ 01000000\ 02000000\ 00004201$
 $c_{6010} C = 00400000\ 00020000\ 0000000c\ 08000001$
 $ca_{001} C = cbf1aecf\ 7b41f23d\ cbdd3ffc\ 6ee7 added7$
 $ca_{002} C = 7d5d2bdf\ b9b9e5bc\ 8ba57b5f\ a8e47f8b$
 $ca_{003} C = fdefefa7\ f3b754e9\ bd732471\ 1ca9e4e7$
 $ca_{004} C = ce2f7eda\ f4de6d29\ 8a7db273\ 7b5e2ed3$
 $ca_{005} C = 5e375dde\ 9dafcb1f\ 63d7fd84\ 9b798e37$
 $ca_{006} C = 55719fc5\ 6dd6ee87\ cd27e0dd\ f5abfe77$
 $ca_{007} C = f9f8b7fc\ 9cb96926\ 3ab409e7\ 9dcdcfaf$
 $ca_{008} C = f92d4ef7\ f38f0d0f\ 3b6de8b6\ f3b6b08b$
 $ca_{009} C = 609092cb\ fb5aed8c\ e4ff9d78\ 3ebea5e7$
 $ca_{010} C = 4a9ba2df\ 6eddf79e\ 50373fbd\ aff67435$
 $cb_{001} C = 9b03b07f\ f7c3d6ff\ 9d20b96f\ ece95cbd$
 $cb_{002} C = b1bb397f\ 2155fdc1\ 6d3ff36e\ 2e0bfd9d$
 $cb_{003} C = beb92d6a\ bef07c7\ dc98ed75\ c7eb7ba5$
 $cb_{004} C = 74eaabbd\ 6bcb0b69\ 7db30efe\ e6fd98e3$
 $cb_{005} C = 6fa2ece7\ 9f44ee7f\ eccfdd7d\ dd2a54ff$
 $cb_{006} C = 07c94ef3\ 793978df\ efa9cc27\ 2f0ef889$
 $cb_{007} C = 877b2af4\ f6aeffdd\ 3fa062fb\ fbeb7adf$
 $cb_{008} C = 577c8df9\ 32fa891b\ 5e13d0c0\ 75f39d9b$
 $cb_{009} C = f1fa42b6\ b26d165d\ dcbff8c6\ 7e779b4f$
 $cb_{010} C = fc46ebaa\ fe1d6179\ cbbd25ed\ bdd697f3$
 $cc_{001} C = ff96abf8\ 192cf9e\ fc4bf84d\ d79fd607$
 $cc_{002} C = 0f97f6d7\ 856cf5f9\ 71aefbcf\ c6cd8909$
 $cc_{003} C = f77ff7bb\ b5dec73e\ fc613d7c\ e55e2f87$
 $cc_{004} C = 3ddceabc\ 798be904\ 4729faf1\ bf7fccfb$
 $cc_{005} C = f79f57ec\ c1bbbd2c\ 65dd7716\ f4 added90d$
 $cc_{006} C = 762 added2b\ 5d4f52d5\ 3c63c23e\ 7e1f776f$
 $cc_{007} C = 7753eb67\ db743 added\ f3787f97\ b1d5e7eb$
 $cc_{008} C = de467 added\ 478f6b96\ 62bcf7d6\ cf7cf5b$
 $cc_{009} C = 37a75b1b\ bfa7d74f\ da49f899\ 9daa817d$
 $cc_{010} C = 853b1f51\ fd7f1df0\ bfab73bd\ 1a73f6b9$
 $cr_{001} C = 1657e594\ 18909248\ f828022e\ 76f005bb$

```

cr002 C = e7765f77 d9dc4192 0f389e07 69d99c41
cr003 C = 5bc9ef86 0b350f6c 94bec817 76973129
cr004 C = 824839f9 2e33ece5 ff515580 4fb3d085
cr005 C = 64dc4f74 016d67a0 64589527 8e3bfe3f
cr006 C = ccb6cca5 5623632f 0c41772e cd1514b9
cr007 C = 5b8d4ffc 09cfec28 afe99ac3 b1c29a3d
cr008 C = e83f7d03 b3950a5c 66ba9362 a69a38af
cr009 C = 26919fc0 6130d3c2 b1cd8bcc 6b52a857
cr010 C = 38f20559 ae944b6f b56f2205 241c5cd1
cr011 C = 5f829a86 872f9d79 78d66ca1 3ace0f61
cr012 C = 4894e11f 0466132f 4c9576ab 937c97d7
cr013 C = c8f93803 5f74f051 48b6f0b6 0b13bf05
cr014 C = b41c7a14 79eb536e 75a2d0b3 3b6cfad9
cr015 C = f5ea00d4 14fe02f9 e69f2a67 8cdc9017
cr016 C = db4875a7 00173426 29573aee 477ed379
cr017 C = 757487cc fc297d42 7ec4ee63 73ff5aff
cr018 C = 9d48ffe8 af9e815f e2dd15c5 bc6b5f15
cr019 C = ca2b1ded 26e3cd49 3399c200 1c9fc431
cr020 C = 0335e3c7 bd243bdc cb13de54 26121ffb
cr021 C = f81e6adc 71b8f06f fedce730 72478c25
cr022 C = 32cbf7b4 c5685439 d811da2d 246e0689
cr023 C = 7dd3ab2d 249c2780 30763742 674b3aa3
cr024 C = fb535f36 63325d8d f7596b04 b8226a17
cr025 C = d2ab0386 6dc52f48 17e0a919 dfc1f3ed
cr026 C = ecadeac5 97f47bf8 72a76a5f ef7c5345
cr027 C = f6ca18c9 953f3d1b 7da5b791 3091d431
cr028 C = 95757a77 fdb5f098 229cf8d0 46f37fa7
cr029 C = ac88a308 85db32a8 560b5fc5 d4434057
cr030 C = add1f967 80b64695 2b08ced2 66935083
ct001 C = 008cf920 9a7df04d 2d2a990b 08b8fec3
ct002 C = bad772b3 f0c401fc e5cf1db8 cfebd599
ct003 C = f878de38 af18a9a1 098bd8dc 9f9c5e01
ct004 C = 5d5ae4d5 004fcd1b bf37a779 bb1fce2b
ct005 C = 6d89cb77 f3089e03 1e3d7f33 8fcbc0e5
ct006 C = c3f610dd 0b738487 675cff28 e696025f
ct007 C = 2401681d e564c273 dc7c329d 80174fbb
ct008 C = cb24df7d ad3ee7a1 8a800692 9e46a9f9
ct009 C = a99d8771 48e82e9f 44f4bb50 7494786d
ct010 C = b2c734ae 21c09a6f 36257fa3 9aec7531

```

1.2 ストリーム鍵

ストリーム鍵は，`0x 00000000 00000000 00000000 00000000`を除く任意の乱数でよいので，次の方針で1000種類用意した．

1. on ビットが1つしかないもの (`0x 00000000 ... 00000001` など)
2. off ビットが1つしかないもの (`0x ffffffff ... ffffffff` など)
3. `0x 00000001, 0x00000003, ...` と順にビット数が増えていくもの
4. 乱数を生成することによるストリーム鍵，およびその1ビット違いの鍵

以下に，鍵の一覧を示す．

```

sa001 S = 00000000 00000000 00000000 00000001
sa002 S = 00000000 00000000 00000000 00000003
sa003 S = 00000000 00000000 00000000 00000007
sa004 S = 00000000 00000000 00000000 0000000f
sa005 S = 00000000 00000000 00000000 0000001f
sa006 S = 00000000 00000000 00000000 0000003f
sa007 S = 00000000 00000000 00000000 0000007f
sa008 S = 00000000 00000000 00000000 000000ff
sa009 S = 00000000 00000000 00000000 000001ff
sa010 S = 00000000 00000000 00000000 000003ff
sa011 S = 00000000 00000000 00000000 000007ff
sa012 S = 00000000 00000000 00000000 00000fff
sa013 S = 00000000 00000000 00000000 00001fff
sa014 S = 00000000 00000000 00000000 00003fff
sa015 S = 00000000 00000000 00000000 00007fff
sa016 S = 00000000 00000000 00000000 0000ffff
sa017 S = 00000000 00000000 00000000 0001ffff
sa018 S = 00000000 00000000 00000000 0003ffff
sa019 S = 00000000 00000000 00000000 0007ffff
sa020 S = 00000000 00000000 00000000 000fffff
sa021 S = 00000000 00000000 00000000 001fffff
sa022 S = 00000000 00000000 00000000 003fffff
sa023 S = 00000000 00000000 00000000 007fffff
sa024 S = 00000000 00000000 00000000 00ffffff
sa025 S = 00000000 00000000 00000000 01ffffff
sa026 S = 00000000 00000000 00000000 03ffffff
sa027 S = 00000000 00000000 00000000 07ffffff
sa028 S = 00000000 00000000 00000000 0fffffff

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sa117 S = 001ffff fffff fffff fffff
sa118 S = 003ffff fffff fffff fffff
sa119 S = 007ffff fffff fffff fffff
sa120 S = 00ffff fffff fffff fffff
sa121 S = 01ffff fffff fffff fffff
sa122 S = 03ffff fffff fffff fffff
sa123 S = 07ffff fffff fffff fffff
sa124 S = 0ffff fffff fffff fffff
sa125 S = 1ffff fffff fffff fffff
sa126 S = 3ffff fffff fffff fffff
sa127 S = 7ffff fffff fffff fffff
sa128 S = fffff fffff fffff fffff
sa129 S = fffff fffff fffff fffffe
sa130 S = fffff fffff fffff fffffc
sa131 S = fffff fffff fffff fffff8
sa132 S = fffff fffff fffff fffff0
sa133 S = fffff fffff fffff fffffe0
sa134 S = fffff fffff fffff fffffc0
sa135 S = fffff fffff fffff fffff80
sa136 S = fffff fffff fffff fffff00
sa137 S = fffff fffff fffff fffffe00
sa138 S = fffff fffff fffff fffffc00
sa139 S = fffff fffff fffff fffff800
sa140 S = fffff fffff fffff fffff000
sa141 S = fffff fffff fffff fffffe000
sa142 S = fffff fffff fffff fffffc000
sa143 S = fffff fffff fffff fffff8000
sa144 S = fffff fffff fffff fffff0000
sa145 S = fffff fffff fffff fffffe0000
sa146 S = fffff fffff fffff fffffc0000
sa147 S = fffff fffff fffff fffff80000
sa148 S = fffff fffff fffff fffff00000
sa149 S = fffff fffff fffff fffffe00000
sa150 S = fffff fffff fffff fffffc00000
sa151 S = fffff fffff fffff fffff800000
sa152 S = fffff fffff fffff fffff000000
sa153 S = fffff fffff fffff fffffe000000
sa154 S = fffff fffff fffff fffffc000000
sa155 S = fffff fffff fffff fffff8000000
sa156 S = fffff fffff fffff fffff0000000
sa157 S = fffff fffff fffff e0000000
sa158 S = fffff fffff fffff c0000000
sa159 S = fffff fffff fffff 80000000
sa160 S = fffff fffff fffff 00000000

sa161 S = fffff fffff fffffe 00000000
sa162 S = fffff fffff fffffc 00000000
sa163 S = fffff fffff fffff8 00000000
sa164 S = fffff fffff fffff0 00000000
sa165 S = fffff fffff fffffe0 00000000
sa166 S = fffff fffff fffffc0 00000000
sa167 S = fffff fffff fffff80 00000000
sa168 S = fffff fffff fffff00 00000000
sa169 S = fffff fffff fffffe00 00000000
sa170 S = fffff fffff fffffc00 00000000
sa171 S = fffff fffff fffff800 00000000
sa172 S = fffff fffff fffff000 00000000
sa173 S = fffff fffff fffffe000 00000000
sa174 S = fffff fffff fffffc000 00000000
sa175 S = fffff fffff fffff8000 00000000
sa176 S = fffff fffff fffff0000 00000000
sa177 S = fffff fffff fffffe0000 00000000
sa178 S = fffff fffff fffffc0000 00000000
sa179 S = fffff fffff fffff80000 00000000
sa180 S = fffff fffff fffff00000 00000000
sa181 S = fffff fffff fffffe00000 00000000
sa182 S = fffff fffff fffffc00000 00000000
sa183 S = fffff fffff fffff800000 00000000
sa184 S = fffff fffff fffff000000 00000000
sa185 S = fffff fffff fffffe000000 00000000
sa186 S = fffff fffff fffffc000000 00000000
sa187 S = fffff fffff fffff8000000 00000000
sa188 S = fffff fffff fffff0000000 00000000
sa189 S = fffff fffff e0000000 00000000
sa190 S = fffff fffff c0000000 00000000
sa191 S = fffff fffff 80000000 00000000
sa192 S = fffff fffff 00000000 00000000
sa193 S = fffff fffffe 00000000 00000000
sa194 S = fffff fffffc 00000000 00000000
sa195 S = fffff fffff8 00000000 00000000
sa196 S = fffff fffff0 00000000 00000000
sa197 S = fffff fffffe0 00000000 00000000
sa198 S = fffff fffffc0 00000000 00000000
sa199 S = fffff fffff80 00000000 00000000
sa200 S = fffff fffff00 00000000 00000000
sa201 S = fffff fffffe00 00000000 00000000
sa202 S = fffff fffffc00 00000000 00000000
sa203 S = fffff fffff800 00000000 00000000
sa204 S = fffff fffff000 00000000 00000000

sb213 S = ffffffff fbffff ffffffff ffffffff
sb214 S = ffffffff f7ffff ffffffff ffffffff
sb215 S = ffffffff feffff ffffffff ffffffff
sb216 S = ffffffff fdffff ffffffff ffffffff
sb217 S = ffffffff fbffff ffffffff ffffffff
sb218 S = ffffffff f7ffff ffffffff ffffffff
sb219 S = ffffffff effffff ffffffff ffffffff
sb220 S = ffffffff dffffff ffffffff ffffffff
sb221 S = ffffffff bffffff ffffffff ffffffff
sb222 S = ffffffff 7ffffff ffffffff ffffffff
sb223 S = fffffffe ffffffff ffffffff ffffffff
sb224 S = fffffffd ffffffff ffffffff ffffffff
sb225 S = fffffffb ffffffff ffffffff ffffffff
sb226 S = ffffff7 ffffffff ffffffff ffffffff
sb227 S = fffffef ffffffff ffffffff ffffffff
sb228 S = fffffdf ffffffff ffffffff ffffffff
sb229 S = fffffbf ffffffff ffffffff ffffffff
sb230 S = fffff7f ffffffff ffffffff ffffffff
sb231 S = fffffef ffffffff ffffffff ffffffff
sb232 S = fffffdf ffffffff ffffffff ffffffff
sb233 S = fffffbf ffffffff ffffffff ffffffff
sb234 S = fffff7f ffffffff ffffffff ffffffff
sb235 S = fffffef ffffffff ffffffff ffffffff
sb236 S = fffffdf ffffffff ffffffff ffffffff
sb237 S = fffffbf ffffffff ffffffff ffffffff
sb238 S = fffff7f ffffffff ffffffff ffffffff
sb239 S = fffffef ffffffff ffffffff ffffffff
sb240 S = fffffdf ffffffff ffffffff ffffffff
sb241 S = fffffbf ffffffff ffffffff ffffffff
sb242 S = fffff7f ffffffff ffffffff ffffffff
sb243 S = fffffef ffffffff ffffffff ffffffff
sb244 S = fffffdf ffffffff ffffffff ffffffff
sb245 S = fffffbf ffffffff ffffffff ffffffff
sb246 S = fffff7f ffffffff ffffffff ffffffff
sb247 S = fffffef ffffffff ffffffff ffffffff
sb248 S = fffffdf ffffffff ffffffff ffffffff
sb249 S = fffffbf ffffffff ffffffff ffffffff
sb250 S = fffff7f ffffffff ffffffff ffffffff
sb251 S = fffffef ffffffff ffffffff ffffffff
sb252 S = fffffdf ffffffff ffffffff ffffffff
sb253 S = fffffbf ffffffff ffffffff ffffffff
sc000 S = 456723c6 98694871 dc515cff 944a58ec
sc001 S = 456723c6 98694871 dc515cfd 944a58ec
sc002 S = 456723c6 98694875 dc515cfd 944a58ec

sc003 S = 456723c6 9869487d dc515cfd 944a58ec
sc004 S = 456723c6 9869487d dc515cfd 944a58e8
sc005 S = 456723c6 9869487d dc515cfd 944a58e0
sc006 S = 456723c6 9869487d dc515cfd 944a58e8
sc007 S = 456723c6 9869487d dc515cf9 944a58e8
sc008 S = 456723c6 9869487d dc515cf9 944a58e9
sc009 S = 456723c6 9869487d dc515cfd 944a58e9
sc010 S = 085427f8 231be9ec cde7438d 0f76255a
sc011 S = 085427f8 231be9ec cde7438d 0f762552
sc012 S = 085427f8 231be9e4 cde7438d 0f762552
sc013 S = 085427f0 231be9e4 cde7438d 0f762552
sc014 S = 085427f0 231be9e4 cde7438f 0f762552
sc015 S = 085427f4 231be9e4 cde7438f 0f762552
sc016 S = 085427f4 231be9e4 cde7438f 0f762556
sc017 S = 085427f4 231be9e0 cde7438f 0f762556
sc018 S = 085427f6 231be9e0 cde7438f 0f762556
sc019 S = 085427f6 231be9e8 cde7438f 0f762556
sc020 S = ba31e458 30a3d95a 6125895c b105a317
sc021 S = ba31e458 30a3d95a 6125895c b105a315
sc022 S = ba31e458 30a3d95a 61258958 b105a315
sc023 S = ba31e458 30a3d95a 61258959 b105a315
sc024 S = ba31e458 30a3d952 61258959 b105a315
sc025 S = ba31e458 30a3d956 61258959 b105a315
sc026 S = ba31e458 30a3d956 6125895b b105a315
sc027 S = ba31e458 30a3d956 6125895f b105a315
sc028 S = ba31e450 30a3d956 6125895f b105a315
sc029 S = ba31e450 30a3d957 6125895f b105a315
sc030 S = 24548611 c40e1d82 f8748640 f521bd3d
sc031 S = 24548619 c40e1d82 f8748640 f521bd3d
sc032 S = 24548619 c40e1d82 f8748640 f521bd3c
sc033 S = 24548619 c40e1d82 f8748640 f521bd3e
sc034 S = 24548619 c40e1d86 f8748640 f521bd3e
sc035 S = 24548619 c40e1d84 f8748640 f521bd3e
sc036 S = 24548619 c40e1d84 f8748642 f521bd3e
sc037 S = 24548619 c40e1d84 f8748642 f521bd3c
sc038 S = 24548619 c40e1d84 f8748642 f521bd3d
sc039 S = 24548619 c40e1d84 f8748642 f521bd35
sc040 S = 823e5f09 c67e2a97 b9ea4adc d36b7796
sc041 S = 823e5f09 c67e2a96 b9ea4adc d36b7796
sc042 S = 823e5f09 c67e2a96 b9ea4add d36b7796
sc043 S = 823e5f09 c67e2a92 b9ea4add d36b7796
sc044 S = 823e5f09 c67e2a92 b9ea4add d36b7797
sc045 S = 823e5f09 c67e2a93 b9ea4add d36b7797
sc046 S = 823e5f09 c67e2a9b b9ea4add d36b7797

sc047 S = 823e5f09 c67e2a9b b9ea4add d36b779f
sc048 S = 823e5f09 c67e2a9f b9ea4add d36b779f
sc049 S = 823e5f09 c67e2a97 b9ea4add d36b779f
sc050 S = 8d3c8f54 89ec1b18 7fdb45c f902481e
sc051 S = 8d3c8f54 89ec1b18 7fdb454 f902481e
sc052 S = 8d3c8f54 89ec1b18 7fdb454 f9024816
sc053 S = 8d3c8f54 89ec1b18 7fdb454 f9024812
sc054 S = 8d3c8f54 89ec1b1c 7fdb454 f9024812
sc055 S = 8d3c8f54 89ec1b18 7fdb454 f9024812
sc056 S = 8d3c8f54 89ec1b1a 7fdb454 f9024812
sc057 S = 8d3c8f54 89ec1b1a 7fdb456 f9024812
sc058 S = 8d3c8f54 89ec1b1a 7fdb456 f9024816
sc059 S = 8d3c8f56 89ec1b1a 7fdb456 f9024816
sc060 S = c13cb77c c7946575 0fd815be a8618c8b
sc061 S = c13cb77c c7946575 0fd815bf a8618c8b
sc062 S = c13cb77c c794657d 0fd815bf a8618c8b
sc063 S = c13cb77c c794657c 0fd815bf a8618c8b
sc064 S = c13cb77e c794657c 0fd815bf a8618c8b
sc065 S = c13cb776 c794657c 0fd815bf a8618c8b
sc066 S = c13cb774 c794657c 0fd815bf a8618c8b
sc067 S = c13cb774 c794657e 0fd815bf a8618c8b
sc068 S = c13cb774 c794657e 0fd815bf a8618c83
sc069 S = c13cb774 c794657e 0fd815bf a8618c81
sc070 S = 50b37e05 5def0bf7 bf0084e9 eaa18238
sc071 S = 50b37e05 5def0bf7 bf0084ed eaa18238
sc072 S = 50b37e0d 5def0bf7 bf0084ed eaa18238
sc073 S = 50b37e0d 5def0bf7 bf0084e5 eaa18238
sc074 S = 50b37e0d 5def0bf7 bf0084e4 eaa18238
sc075 S = 50b37e0d 5def0bf7 bf0084e5 eaa18238
sc076 S = 50b37e0d 5def0bf7 bf0084ed eaa18238
sc077 S = 50b37e0d 5def0bf7 bf0084ed eaa18239
sc078 S = 50b37e0d 5def0bf5 bf0084ed eaa18239
sc079 S = 50b37e05 5def0bf5 bf0084ed eaa18239
sc080 S = 5d233f1e 9ea8471c ee7bc564 fdc52b1c
sc081 S = 5d233f1e 9ea8471c ee7bc560 fdc52b1c
sc082 S = 5d233f1e 9ea8471c ee7bc562 fdc52b1c
sc083 S = 5d233f1e 9ea8471c ee7bc566 fdc52b1c
sc084 S = 5d233f1e 9ea8471c ee7bc56e fdc52b1c
sc085 S = 5d233f1e 9ea8471c ee7bc56e fdc52b1e
sc086 S = 5d233f1e 9ea8471c ee7bc56e fdc52b16
sc087 S = 5d233f1e 9ea84714 ee7bc56e fdc52b16
sc088 S = 5d233f1e 9ea84714 ee7bc56e fdc52b17
sc089 S = 5d233f1e 9ea84714 ee7bc56e fdc52b16
sc090 S = 0624ca11 709e1109 59dce0aa 5bd4d9a8

sc091 S = 0624ca19 709e1109 59dce0aa 5bd4d9a8
sc092 S = 0624ca18 709e1109 59dce0aa 5bd4d9a8
sc093 S = 0624ca18 709e1101 59dce0aa 5bd4d9a8
sc094 S = 0624ca18 709e1109 59dce0aa 5bd4d9a8
sc095 S = 0624ca18 709e1101 59dce0aa 5bd4d9a8
sc096 S = 0624ca18 709e1101 59dce0aa 5bd4d9a8
sc097 S = 0624ca18 709e1101 59dce0aa 5bd4d9a0
sc098 S = 0624ca18 709e1101 59dce0a9 5bd4d9a0
sc099 S = 0624ca18 709e1101 59dce0a8 5bd4d9a0
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sc405 S = 62554ed9 ed6c9b32 fbdd62c6 d7bc7eff
sc406 S = 62554ed9 ed6c9b32 fbdd62ce d7bc7eff
sc407 S = 62554ed9 ed6c9b32 fbdd62ce d7bc7efb
sc408 S = 62554ed9 ed6c9b3a fbdd62ce d7bc7efb
sc409 S = 62554ed9 ed6c9b3a fbdd62cc d7bc7efb
sc410 S = cda45a4d 1a81fc88 cf1cca53 2d1ab7e6
sc411 S = cda45a4d 1a81fc88 cf1cca53 2d1ab7e2
sc412 S = cda45a4d 1a81fc89 cf1cca53 2d1ab7e2
sc413 S = cda45a4d 1a81fc89 cf1cca52 2d1ab7e2
sc414 S = cda45a4d 1a81fc81 cf1cca52 2d1ab7e2
sc415 S = cda45a4d 1a81fc81 cf1cca52 2d1ab7e0
sc416 S = cda45a49 1a81fc81 cf1cca52 2d1ab7e0
sc417 S = cda45a49 1a81fc80 cf1cca52 2d1ab7e0
sc418 S = cda45a49 1a81fc81 cf1cca52 2d1ab7e0
sc419 S = cda45a49 1a81fc81 cf1cca52 2d1ab7e8
sc420 S = 196ab968 dcf3965c 0446f306 5647582b
sc421 S = 196ab96c dcf3965c 0446f306 5647582b
sc422 S = 196ab96e dcf3965c 0446f306 5647582b
sc423 S = 196ab96e dcf3965c 0446f302 5647582b
sc424 S = 196ab96e dcf3965c 0446f302 56475823
sc425 S = 196ab96e dcf39658 0446f302 56475823
sc426 S = 196ab966 dcf39658 0446f302 56475823
sc427 S = 196ab966 dcf39658 0446f302 56475822
sc428 S = 196ab966 dcf3965c 0446f302 56475822
sc429 S = 196ab966 dcf39654 0446f302 56475822
sc430 S = fac08454 ad2a26ab c8ba9146 39f891f6
sc431 S = fac08450 ad2a26ab c8ba9146 39f891f6
sc432 S = fac08454 ad2a26ab c8ba9146 39f891f6
sc433 S = fac08454 ad2a26ab c8ba9146 39f891fe
sc434 S = fac08456 ad2a26ab c8ba9146 39f891fe
sc435 S = fac08457 ad2a26ab c8ba9146 39f891fe
sc436 S = fac08457 ad2a26ab c8ba914e 39f891fe
sc437 S = fac08456 ad2a26ab c8ba914e 39f891fe
sc438 S = fac08456 ad2a26ab c8ba914e 39f891ff
sc439 S = fac08456 ad2a26af c8ba914e 39f891ff
sc440 S = ca0a4ea5 cf4d1031 a6b55c5b dc03bca0
sc441 S = ca0a4ea5 cf4d1035 a6b55c5b dc03bca0
sc442 S = ca0a4ea5 cf4d1035 a6b55c53 dc03bca0

sc443 S = ca0a4ea5 cf4d1035 a6b55c51 dc03bca0
sc444 S = ca0a4ea5 cf4d1035 a6b55c53 dc03bca0
sc445 S = ca0a4ead cf4d1035 a6b55c53 dc03bca0
sc446 S = ca0a4ea5 cf4d1035 a6b55c53 dc03bca0
sc447 S = ca0a4ea5 cf4d1035 a6b55c53 dc03bca1
sc448 S = ca0a4ea5 cf4d1035 a6b55c57 dc03bca1
sc449 S = ca0a4ea5 cf4d1035 a6b55c55 dc03bca1
sc450 S = 4870ed4c 0d9ce486 35eac70f de9897fa
sc451 S = 4870ed4d 0d9ce486 35eac70f de9897fa
sc452 S = 4870ed4d 0d9ce486 35eac707 de9897fa
sc453 S = 4870ed4f 0d9ce486 35eac707 de9897fa
sc454 S = 4870ed4f 0d9ce48e 35eac707 de9897fa
sc455 S = 4870ed4f 0d9ce48e 35eac707 de9897fe
sc456 S = 4870ed4f 0d9ce48e 35eac703 de9897fe
sc457 S = 4870ed4f 0d9ce48e 35eac702 de9897fe
sc458 S = 4870ed4f 0d9ce48f 35eac702 de9897fe
sc459 S = 4870ed4f 0d9ce48d 35eac702 de9897fe
sc460 S = 6bdb4250 93c26dff 2f5da209 655a172a
sc461 S = 6bdb4250 93c26dff 2f5da209 655a172e
sc462 S = 6bdb4250 93c26df7 2f5da209 655a172e
sc463 S = 6bdb4250 93c26df7 2f5da209 655a1726
sc464 S = 6bdb4250 93c26dff 2f5da209 655a1726
sc465 S = 6bdb4258 93c26dff 2f5da209 655a1726
sc466 S = 6bdb4258 93c26dff 2f5da201 655a1726
sc467 S = 6bdb4258 93c26dff 2f5da200 655a1726
sc468 S = 6bdb425c 93c26dff 2f5da200 655a1726
sc469 S = 6bdb425c 93c26dfd 2f5da200 655a1726
sc470 S = 14633132 4b234e4e e6cedb76 ff5b6677
sc471 S = 14633132 4b234e4a e6cedb76 ff5b6677
sc472 S = 14633132 4b234e4a e6cedb74 ff5b6677
sc473 S = 14633132 4b234e48 e6cedb74 ff5b6677
sc474 S = 14633132 4b234e48 e6cedb74 ff5b667f
sc475 S = 14633132 4b234e49 e6cedb74 ff5b667f
sc476 S = 14633132 4b234e4d e6cedb74 ff5b667f
sc477 S = 14633132 4b234e4f e6cedb74 ff5b667f
sc478 S = 14633132 4b234e4f e6cedb7c ff5b667f
sc479 S = 14633132 4b234e47 e6cedb7c ff5b667f
sc480 S = 3580c8fd c6dc3f62 ee9c56d7 7f195cb0
sc481 S = 3580c8fd c6dc3f62 ee9c56d7 7f195cb2
sc482 S = 3580c8fd c6dc3f62 ee9c56d3 7f195cb2
sc483 S = 3580c8fd c6dc3f62 ee9c56db 7f195cb2
sc484 S = 3580c8fd c6dc3f62 ee9c56d9 7f195cb2
sc485 S = 3580c8fd c6dc3f62 ee9c56d9 7f195cb3
sc486 S = 3580c8fd c6dc3f62 ee9c56d9 7f195cbb

sc487 S = 3580c8f5 c6dc3f62 ee9c56d9 7f195cbb

sc488 S = 3580c8f5 c6dc3f62 ee9c56d9 7f195cb9

sc489 S = 3580c8f5 c6dc3f62 ee9c56d9 7f195cb1

sc490 S = 2dc0685a ae31240d a87b0a9c 86362aed

TOYOCRYPT-HS1 は平文と擬似乱数の排他的論理和であるため、乱数列を生成する鍵の組み合わせ (100×1000) について乱数性を評価するテストを行うことにより安全性の評価が可能となる。