

1 Cayley tables

1.1

	e	a	b	aa	ab	bb
e	e	a	b	aa	ab	bb
a	a	aa	ab	aa	bb	bb
b	b	aa	bb	aa	bb	bb
aa	aa	aa	bb	aa	bb	bb
ab	ab	aa	bb	aa	bb	bb
bb	bb	aa	bb	aa	bb	bb

1.2

	e	a	b	aa	ab	ba	aba	baa
e	e	a	b	aa	ab	ba	aba	baa
a	a	aa	ab	aa	ab	aba	aba	baa
b	b	ba	b	baa	baa	ba	baa	baa
aa	aa	aa	ab	aa	ab	aba	aba	baa
ab	ab	aba	ab	baa	baa	aba	baa	baa
ba	ba	baa	baa	baa	baa	baa	baa	baa
aba	aba	baa	baa	baa	baa	baa	baa	baa
baa	baa	baa	baa	baa	baa	baa	baa	baa

1.3

	e	a	b	aa	ab	aaa	aab
e	e	a	b	aa	ab	aaa	aab
a	a	aa	ab	aaa	aab	a	b
b	b	a	b	aa	ab	aaa	aab
aa	aa	aaa	aab	a	b	aa	ab
ab	ab	aa	ab	aaa	aab	a	b
aaa	aaa	a	b	aa	ab	aaa	aab
aab	aab	aaa	aab	a	b	aa	ab

1.4

	e	a	b	aa	ab	ba	bb	bab
e	e	a	b	aa	ab	ba	bb	bab
a	a	aa	ab	aa	aa	a	aa	ab
b	b	ba	bb	aa	bab	aa	bb	aa
aa	aa	aa	aa	aa	aa	aa	aa	aa
ab	ab	a	aa	aa	ab	aa	aa	aa
ba	ba	aa	bab	aa	aa	ba	aa	bab
bb	bb	aa	bb	aa	aa	aa	bb	aa
bab	bab	ba	aa	aa	bab	aa	aa	aa

1.5

	e	a	b	aa	ab	ba	aab	aba
e	e	a	b	aa	ab	ba	aab	aba
a	a	aa	ab	a	aab	aba	ab	ba
b	b	ba	b	aab	ba	ba	aab	aab
aa	aa	a	aab	aa	ab	ba	aab	aba
ab	ab	aba	ab	ab	aba	aba	ab	ab
ba	ba	aab	ba	ba	aab	aab	ba	ba
aab	aab	ba	aab	aab	ba	ba	aab	aab
aba	aba	ab	aba	aba	ab	ab	aba	aba

1.6

	e	a	b	aa	ab	ba	bab
e	e	a	b	aa	ab	ba	bab
a	a	aa	ab	aa	aa	a	ab
b	b	ba	b	aa	bab	ba	bab
aa	aa	aa	aa	aa	aa	aa	aa
ab	ab	a	ab	aa	ab	a	ab
ba	ba	aa	bab	aa	aa	ba	bab
bab	bab	ba	bab	aa	bab	ba	bab

1.7

	e	a	b	ab	bb	abb
e	e	a	b	ab	bb	abb
a	a	a	ab	ab	abb	abb
b	b	a	bb	ab	b	abb
ab	ab	a	abb	ab	ab	abb
bb	bb	a	b	ab	bb	abb
abb	abb	a	ab	ab	abb	abb

1.8

	e	a	b	aa	ab	bb
e	e	a	b	aa	ab	bb
a	a	aa	ab	aa	bb	bb
b	b	b	bb	b	bb	bb
aa	aa	aa	bb	aa	bb	bb
ab	ab	ab	bb	ab	bb	bb
bb	bb	bb	bb	bb	bb	bb

1.9

	e	a	b	aa	ab	bb	aab
e	e	a	b	aa	ab	bb	aab
a	a	aa	ab	aa	aab	a	aab
b	b	aa	bb	aa	aab	b	aab
aa	aa	aa	aab	aa	aab	aa	aab
ab	ab	aa	a	aa	aab	ab	aab
bb	bb	aa	b	aa	aab	bb	aab
aab	aab	aa	aa	aa	aab	aab	aab

1.10

	e	a	b	aa	bb
e	e	a	b	aa	bb
a	a	aa	a	aa	a
b	b	aa	bb	aa	bb
aa	aa	aa	aa	aa	aa
bb	bb	aa	bb	aa	bb

1.11

	e	a	b	ab	ba	bb
e	e	a	b	ab	ba	bb
a	a	a	ab	ab	ba	bb
b	b	ba	bb	ba	ba	ba
ab	ab	ba	bb	ba	ba	ba
ba	ba	ba	ba	ba	ba	ba
bb	bb	ba	ba	ba	ba	ba

1.12

	e	a	b	ab	ba	aba	bab
e	e	a	b	ab	ba	aba	bab
a	a	a	ab	ab	aba	aba	bab
b	b	ba	b	bab	ba	bab	bab
ab	ab	aba	ab	bab	aba	bab	bab
ba	ba	ba	bab	bab	bab	bab	bab
aba	aba	aba	bab	bab	bab	bab	bab
bab	bab	bab	bab	bab	bab	bab	bab

1.13

	e	a	b	aa	ab	ba	aab	aba
e	e	a	b	aa	ab	ba	aab	aba
a	a	aa	ab	a	aab	aba	ab	ba
b	b	ba	b	aab	ba	ba	aab	aab
aa	aa	a	aab	aa	ab	ba	aab	aba
ab	ab	aba	ab	ab	aba	aba	ab	ab
ba	ba	aab	ba	ba	aab	aab	ba	ba
aab	aab	ba	aab	aab	ba	ba	aab	aab
aba	aba	ab	aba	aba	ab	ab	aba	aba

1.14

	e	a	b	aa	ab
e	e	a	b	aa	ab
a	a	aa	ab	aa	ab
b	b	a	b	aa	ab
aa	aa	aa	ab	aa	ab
ab	ab	aa	ab	aa	ab

1.15

	e	a	b	aa	ab	bb	aaa
e	e	a	b	aa	ab	bb	aaa
a	a	aa	ab	aaa	aa	ab	aaa
b	b	aa	bb	aaa	aa	bb	aaa
aa	aa	aaa	aa	aaa	aaa	aa	aaa
ab	ab	aaa	ab	aaa	aaa	ab	aaa
bb	bb	aaa	bb	aaa	aaa	bb	aaa
aaa	aaa	aaa	aaa	aaa	aaa	aaa	aaa

1.16

	e	a	b	aa	ab	bb	aab	bbb
e	e	a	b	aa	ab	bb	aab	bbb
a	a	aa	ab	aa	aab	a	aab	ab
b	b	aa	bb	aa	aab	bbb	aab	bb
aa	aa	aa	aab	aa	aab	aa	aab	aab
ab	ab	aa	a	aa	aab	ab	aab	a
bb	bb	aa	bbb	aa	aab	bb	aab	bbb
aab	aab	aa	aa	aa	aab	aab	aab	aa
bbb	bbb	aa	bb	aa	aab	bbb	aab	bb

1.17

	e	a	b	aa	ab
e	e	a	b	aa	ab
a	a	aa	ab	a	b
b	b	aa	ab	a	b
aa	aa	a	b	aa	ab
ab	ab	a	b	aa	ab

1.18

	e	a	b	aa	ab	ba	bb	baa
e	e	a	b	aa	ab	ba	bb	baa
a	a	aa	ab	a	ab	ba	bb	baa
b	b	ba	bb	baa	ab	ba	bb	baa
aa	aa	a	ab	aa	ab	ba	bb	baa
ab	ab	ba	bb	baa	ab	ba	bb	baa
ba	ba	baa	ab	ba	ab	ba	bb	baa
bb	bb	ba	bb	baa	ab	ba	bb	baa
baa	baa	ba	ab	baa	ab	ba	bb	baa

1.19

	e	a	b	ab	ba	bb
e	e	a	b	ab	ba	bb
a	a	a	ab	ab	ba	ba
b	b	ba	bb	ba	ba	bb
ab	ab	ba	ba	ba	ba	ba
ba	ba	ba	ba	ba	ba	ba
bb	bb	ba	bb	ba	ba	bb

1.20

	e	a	b	aa	ab	ba	aab	aba
e	e	a	b	aa	ab	ba	aab	aba
a	a	aa	ab	aa	aab	aba	aab	aab
b	b	ba	b	ba	aab	ba	aab	aab
aa	aa	aa	aab	aa	aab	aab	aab	aab
ab	ab	aba	ab	aba	aab	aba	aab	aab
ba	ba	ba	aab	ba	aab	aab	aab	aab
aab	aab	aab	aab	aab	aab	aab	aab	aab
aba	aba	aba	aab	aba	aab	aab	aab	aab

1.21

	e	a	b	ab	bb	abb	bbb
e	e	a	b	ab	bb	abb	bbb
a	a	a	ab	ab	abb	abb	a
b	b	b	bb	bb	bbb	bbb	b
ab	ab	ab	abb	abb	a	a	ab
bb	bb	bb	bbb	bbb	b	b	bb
abb	abb	abb	a	a	ab	ab	abb
bbb	bbb	bbb	b	b	bb	bb	bbb

1.22

	e	a	b	aa	ab	ba	bb	bab
e	e	a	b	aa	ab	ba	bb	bab
a	a	aa	ab	aa	aa	a	aa	ab
b	b	ba	bb	aa	bab	aa	bb	aa
aa	aa	aa	aa	aa	aa	aa	aa	aa
ab	ab	a	aa	aa	ab	aa	aa	aa
ba	ba	aa	bab	aa	aa	ba	aa	bab
bb	bb	aa	bb	aa	aa	aa	bb	aa
bab	bab	ba	aa	aa	bab	aa	aa	aa

1.23

	e	a	b	ab	ba
e	e	a	b	ab	ba
a	a	a	ab	ab	ba
b	b	ba	b	ba	ba
ab	ab	ba	ab	ba	ba
ba	ba	ba	ba	ba	ba

1.24

	e	a	b	ab	ba	bab
e	e	a	b	ab	ba	bab
a	a	a	ab	ab	ab	a
b	b	ba	e	bab	a	ab
ab	ab	ab	a	a	a	ab
ba	ba	ba	bab	bab	bab	ba
bab	bab	bab	ba	ba	ba	bab

1.25

	e	a	b	aa	ab	ba	aba
e	e	a	b	aa	ab	ba	aba
a	a	aa	ab	a	b	aba	ba
b	b	ba	aa	b	aba	a	ab
aa	aa	a	b	aa	ab	ba	aba
ab	ab	aba	a	ab	ba	aa	b
ba	ba	b	aba	ba	aa	ab	a
aba	aba	ab	ba	aba	a	b	aa

1.26

	e	a	b	aa	ab	bb	aab
e	e	a	b	aa	ab	bb	aab
a	a	aa	ab	a	aab	a	ab
b	b	a	bb	aa	ab	b	aab
aa	aa	a	aab	aa	ab	aa	aab
ab	ab	aa	a	a	aab	ab	ab
bb	bb	a	b	aa	ab	bb	aab
aab	aab	a	aa	aa	ab	aab	aab

1.27

	e	a	b	aa	ab	ba	aab
e	e	a	b	aa	ab	ba	aab
a	a	aa	ab	aa	aab	ab	aab
b	b	ba	ab	ba	aab	ab	aab
aa	aa	aa	aab	aa	aab	aab	aab
ab	ab	ab	aab	ab	aab	aab	aab
ba	ba	ba	aab	ba	aab	aab	aab
aab	aab	aab	aab	aab	aab	aab	aab

1.28

	e	a	b	aa	ab	ba	aba
e	e	a	b	aa	ab	ba	aba
a	a	aa	ab	aa	ab	aba	aba
b	b	ba	ab	aa	ab	aba	aba
aa	aa	aa	ab	aa	ab	aba	aba
ab	ab	aba	ab	aa	ab	aba	aba
ba	ba	aa	ab	aa	ab	aba	aba
aba	aba	aa	ab	aa	ab	aba	aba

1.29

	e	a	b	aa	ab	bb	aab
e	e	a	b	aa	ab	bb	aab
a	a	aa	ab	aa	aab	a	aab
b	b	aa	bb	aa	aab	b	aab
aa	aa	aa	aab	aa	aab	aa	aab
ab	ab	aa	a	aa	aab	ab	aab
bb	bb	aa	b	aa	aab	bb	aab
aab	aab	aa	aa	aa	aab	aab	aab

1.30

	e	a	b	ab	bb	abb
e	e	a	b	ab	bb	abb
a	a	a	ab	ab	abb	abb
b	b	a	bb	ab	b	abb
ab	ab	a	abb	ab	ab	abb
bb	bb	a	b	ab	bb	abb
abb	abb	a	ab	ab	abb	abb