

Latin alphabet (without other symbols)

Letter codes

letter	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
code	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

Multiplication Table for \mathbb{Z}_{26}

·	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2	0	2	4	6	8	10	12	14	16	18	20	22	24	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	1	4	7	10	13	16	19	22	25	2	5	8	11	14	17	20	23
4	0	4	8	12	16	20	24	2	6	10	14	18	22	0	4	8	12	16	20	24	2	6	10	14	18	22
5	0	5	10	15	20	25	4	9	14	19	24	3	8	13	18	23	2	7	12	17	22	1	6	11	16	21
6	0	6	12	18	24	4	10	16	22	2	8	14	20	0	6	12	18	24	4	10	16	22	2	8	14	20
7	0	7	14	21	2	9	16	23	4	11	18	25	6	13	20	1	8	15	22	3	10	17	24	5	12	19
8	0	8	16	24	6	14	22	4	12	20	2	10	18	0	8	16	24	6	14	22	4	12	20	2	10	18
9	0	9	18	1	10	19	2	11	20	3	12	21	4	13	22	5	14	23	6	15	24	7	16	25	8	17
10	0	10	20	4	14	24	8	18	2	12	22	6	16	0	10	20	4	14	24	8	18	2	12	22	6	16
11	0	11	22	7	18	3	14	25	10	21	6	17	2	13	24	9	20	5	16	1	12	23	8	19	4	15
12	0	12	24	10	22	8	20	6	18	4	16	2	14	0	12	24	10	22	8	20	6	18	4	16	2	14
13	0	13	0	13	0	13	0	13	0	13	0	13	0	13	0	13	0	13	0	13	0	13	0	13	0	13
14	0	14	2	16	4	18	6	20	8	22	10	24	12	0	14	2	16	4	18	6	20	8	22	10	24	12
15	0	15	4	19	8	23	12	1	16	5	20	9	24	13	2	17	6	21	10	25	14	3	18	7	22	11
16	0	16	6	22	12	2	18	8	24	14	4	20	10	0	16	6	22	12	2	18	8	24	14	4	20	10
17	0	17	8	25	16	7	24	15	6	23	14	5	22	13	4	21	12	3	20	11	2	19	10	1	18	9
18	0	18	10	2	20	12	4	22	14	6	24	16	8	0	18	10	2	20	12	4	22	14	6	24	16	8
19	0	19	12	5	24	17	10	3	22	15	8	1	20	13	6	25	18	11	4	23	16	9	2	21	14	7
20	0	20	14	8	2	22	16	10	4	24	18	12	6	0	20	14	8	2	22	16	10	4	24	18	12	6
21	0	21	16	11	6	1	22	17	12	7	2	23	18	13	8	3	24	19	14	9	4	25	20	15	10	5
22	0	22	18	14	10	6	2	24	20	16	12	8	4	0	22	18	14	10	6	2	24	20	16	12	8	4
23	0	23	20	17	14	11	8	5	2	25	22	19	16	13	10	7	4	1	24	21	18	15	12	9	6	3
24	0	24	22	20	18	16	14	12	10	8	6	4	2	0	24	22	20	18	16	14	12	10	8	6	4	2
25	0	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

Table of Inverses for \mathbb{Z}_{26}

x	1	3	5	7	9	11	15	17	19	21	23	25
x^{-1}	1	9	21	15	3	19	7	23	11	5	17	25

Latin alphabet with a space symbol

Letter codes

letter	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
code	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Multiplication Table for \mathbb{Z}_{27}

·	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	1	3	5	7	9	11	13	15	17	19	21	23	25
3	0	3	6	9	12	15	18	21	24	0	3	6	9	12	15	18	21	24	0	3	6	9	12	15	18	21	24
4	0	4	8	12	16	20	24	1	5	9	13	17	21	25	2	6	10	14	18	22	26	3	7	11	15	19	23
5	0	5	10	15	20	25	3	8	13	18	23	1	6	11	16	21	26	4	9	14	19	24	2	7	12	17	22
6	0	6	12	18	24	3	9	15	21	0	6	12	18	24	3	9	15	21	0	6	12	18	24	3	9	15	21
7	0	7	14	21	1	8	15	22	2	9	16	23	3	10	17	24	4	11	18	25	5	12	19	26	6	13	20
8	0	8	16	24	5	13	21	2	10	18	26	7	15	23	4	12	20	1	9	17	25	6	14	22	3	11	19
9	0	9	18	0	9	18	0	9	18	0	9	18	0	9	18	0	9	18	0	9	18	0	9	18	0	9	18
10	0	10	20	3	13	23	6	16	26	9	19	2	12	22	5	15	25	8	18	1	11	21	4	14	24	7	17
11	0	11	22	6	17	1	12	23	7	18	2	13	24	8	19	3	14	25	9	20	4	15	26	10	21	5	16
12	0	12	24	9	21	6	18	3	15	0	12	24	9	21	6	18	3	15	0	12	24	9	21	6	18	3	15
13	0	13	26	12	25	11	24	10	23	9	22	8	21	7	20	6	19	5	18	4	17	3	16	2	15	1	14
14	0	14	1	15	2	16	3	17	4	18	5	19	6	20	7	21	8	22	9	23	10	24	11	25	12	26	13
15	0	15	3	18	6	21	9	24	12	0	15	3	18	6	21	9	24	12	0	15	3	18	6	21	9	24	12
16	0	16	5	21	10	26	15	4	20	9	25	14	3	19	8	24	13	2	18	7	23	12	1	17	6	22	11
17	0	17	7	24	14	4	21	11	1	18	8	25	15	5	22	12	2	19	9	26	16	6	23	13	3	20	10
18	0	18	9	0	18	9	0	18	9	0	18	9	0	18	9	0	18	9	0	18	9	0	18	9	0	18	9
19	0	19	11	3	22	14	6	25	17	9	1	20	12	4	23	15	7	26	18	10	2	21	13	5	24	16	8
20	0	20	13	6	26	19	12	5	25	18	11	4	24	17	10	3	23	16	9	2	22	15	8	1	21	14	7
21	0	21	15	9	3	24	18	12	6	0	21	15	9	3	24	18	12	6	0	21	15	9	3	24	18	12	6
22	0	22	17	12	7	2	24	19	14	9	4	26	21	16	11	6	1	23	18	13	8	3	25	20	15	10	5
23	0	23	19	15	11	7	3	26	22	18	14	10	6	2	25	21	17	13	9	5	1	24	20	16	12	8	4
24	0	24	21	18	15	12	9	6	3	0	24	21	18	15	12	9	6	3	0	24	21	18	15	12	9	6	3
25	0	25	23	21	19	17	15	13	11	9	7	5	3	1	26	24	22	20	18	16	14	12	10	8	6	4	2
26	0	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

Table of Inverses for \mathbb{Z}_{27}

x	1	2	4	5	7	8	10	11	13	14	16	17	19	20	22	23	25	26
x^{-1}	1	14	7	11	4	17	19	5	25	2	22	8	10	23	16	20	13	26

Latin alphabet with some punctuation symbols (and prime modulus)

Letter codes

letter	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	,	.	
code	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28

Multiplication Table for \mathbb{Z}_{29}

.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	1	3	5	7	9	11	13	15	17	19	21	23	25	27
3	0	3	6	9	12	15	18	21	24	27	1	4	7	10	13	16	19	22	25	28	2	5	8	11	14	17	20	23	26
4	0	4	8	12	16	20	24	28	3	7	11	15	19	23	27	2	6	10	14	18	22	26	1	5	9	13	17	21	25
5	0	5	10	15	20	25	1	6	11	16	21	26	2	7	12	17	22	27	3	8	13	18	23	28	4	9	14	19	24
6	0	6	12	18	24	1	7	13	19	25	2	8	14	20	26	3	9	15	21	27	4	10	16	22	28	5	11	17	23
7	0	7	14	21	28	6	13	20	27	5	12	19	26	4	11	18	25	3	10	17	24	2	9	16	23	1	8	15	22
8	0	8	16	24	3	11	19	27	6	14	22	1	9	17	25	4	12	20	28	7	15	23	2	10	18	26	5	13	21
9	0	9	18	27	7	16	25	5	14	23	3	12	21	1	10	19	28	8	17	26	6	15	24	4	13	22	2	11	20
10	0	10	20	1	11	21	2	12	22	3	13	23	4	14	24	5	15	25	6	16	26	7	17	27	8	18	28	9	19
11	0	11	22	4	15	26	8	19	1	12	23	5	16	27	9	20	2	13	24	6	17	28	10	21	3	14	25	7	18
12	0	12	24	7	19	2	14	26	9	21	4	16	28	11	23	6	18	1	13	25	8	20	3	15	27	10	22	5	17
13	0	13	26	10	23	7	20	4	17	1	14	27	11	24	8	21	5	18	2	15	28	12	25	9	22	6	19	3	16
14	0	14	28	13	27	12	26	11	25	10	24	9	23	8	22	7	21	6	20	5	19	4	18	3	17	2	16	1	15
15	0	15	1	16	2	17	3	18	4	19	5	20	6	21	7	22	8	23	9	24	10	25	11	26	12	27	13	28	14
16	0	16	3	19	6	22	9	25	12	28	15	2	18	5	21	8	24	11	27	14	1	17	4	20	7	23	10	26	13
17	0	17	5	22	10	27	15	3	20	8	25	13	1	18	6	23	11	28	16	4	21	9	26	14	2	19	7	24	12
18	0	18	7	25	14	3	21	10	28	17	6	24	13	2	20	9	27	16	5	23	12	1	19	8	26	15	4	22	11
19	0	19	9	28	18	8	27	17	7	26	16	6	25	15	5	24	14	4	23	13	3	22	12	2	21	11	1	20	10
20	0	20	11	2	22	13	4	24	15	6	26	17	8	28	19	10	1	21	12	3	23	14	5	25	16	7	27	18	9
21	0	21	13	5	26	18	10	2	23	15	7	28	20	12	4	25	17	9	1	22	14	6	27	19	11	3	24	16	8
22	0	22	15	8	1	23	16	9	2	24	17	10	3	25	18	11	4	26	19	12	5	27	20	13	6	28	21	14	7
23	0	23	17	11	5	28	22	16	10	4	27	21	15	9	3	26	20	14	8	2	25	19	13	7	1	24	18	12	6
24	0	24	19	14	9	4	28	23	18	13	8	3	27	22	17	12	7	2	26	21	16	11	6	1	25	20	15	10	5
25	0	25	21	17	13	9	5	1	26	22	18	14	10	6	2	27	23	19	15	11	7	3	28	24	20	16	12	8	4
26	0	26	23	20	17	14	11	8	5	2	28	25	22	19	16	13	10	7	4	1	27	24	21	18	15	12	9	6	3
27	0	27	25	23	21	19	17	15	13	11	9	7	5	3	1	28	26	24	22	20	18	16	14	12	10	8	6	4	2
28	0	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

Table of Inverses for \mathbb{Z}_{29}

x	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
x^{-1}	1	15	10	22	6	5	25	11	13	3	8	17	9	27	2	20	12	21	26	16	18	4	24	23	7	19	14	28

Latin alphabet with many punctuation symbols

Letter codes

letter	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	,	.	:	;	!	?	
code	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

Multiplication Table for \mathbb{Z}_{33}

·	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31
3	0	3	6	9	12	15	18	21	24	27	30	0	3	6	9	12	15	18	21	24	27	30	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	3	7	11	15	19	23	27	31	2	6	10	14	18	22	26	30	1	5	9	13	17	21	25	29
5	0	5	10	15	20	25	30	2	7	12	17	22	27	32	4	9	14	19	24	29	1	6	11	16	21	26	31	3	8	13	18	23	28
6	0	6	12	18	24	30	3	9	15	21	27	0	6	12	18	24	30	3	9	15	21	27	0	6	12	18	24	30	3	9	15	21	27
7	0	7	14	21	28	2	9	16	23	30	4	11	18	25	32	6	13	20	27	1	8	15	22	29	3	10	17	24	31	5	12	19	26
8	0	8	16	24	32	7	15	23	31	6	14	22	30	5	13	21	29	4	12	20	28	3	11	19	27	2	10	18	26	1	9	17	25
9	0	9	18	27	3	12	21	30	6	15	24	0	9	18	27	3	12	21	30	6	15	24	0	9	18	27	3	12	21	30	6	15	24
10	0	10	20	30	7	17	27	4	14	24	1	11	21	31	8	18	28	5	15	25	2	12	22	32	9	19	29	6	16	26	3	13	23
11	0	11	22	0	11	22	0	11	22	0	11	22	0	11	22	0	11	22	0	11	22	0	11	22	0	11	22	0	11	22	0	11	22
12	0	12	24	3	15	27	6	18	30	9	21	0	12	24	3	15	27	6	18	30	9	21	0	12	24	3	15	27	6	18	30	9	21
13	0	13	26	6	19	32	12	25	5	18	31	11	24	4	17	30	10	23	3	16	29	9	22	2	15	28	8	21	1	14	27	7	20
14	0	14	28	9	23	4	18	32	13	27	8	22	3	17	31	12	26	7	21	2	16	30	11	25	6	20	1	15	29	10	24	5	19
15	0	15	30	12	27	9	24	6	21	3	18	0	15	30	12	27	9	24	6	21	3	18	0	15	30	12	27	9	24	6	21	3	18
16	0	16	32	15	31	14	30	13	29	12	28	11	27	10	26	9	25	8	24	7	23	6	22	5	21	4	20	3	19	2	18	1	17
17	0	17	1	18	2	19	3	20	4	21	5	22	6	23	7	24	8	25	9	26	10	27	11	28	12	29	13	30	14	31	15	32	16
18	0	18	3	21	6	24	9	27	12	30	15	0	18	3	21	6	24	9	27	12	30	15	0	18	3	21	6	24	9	27	12	30	15
19	0	19	5	24	10	29	15	1	20	6	25	11	30	16	2	21	7	26	12	31	17	3	22	8	27	13	32	18	4	23	9	28	14
20	0	20	7	27	14	1	21	8	28	15	2	22	9	29	16	3	23	10	30	17	4	24	11	31	18	5	25	12	32	19	6	26	13
21	0	21	9	30	18	6	27	15	3	24	12	0	21	9	30	18	6	27	15	3	24	12	0	21	9	30	18	6	27	15	3	24	12
22	0	22	11	0	22	11	0	22	11	0	22	11	0	22	11	0	22	11	0	22	11	0	22	11	0	22	11	0	22	11	0	22	11
23	0	23	13	3	26	16	6	29	19	9	32	22	12	2	25	15	5	28	18	8	31	21	11	1	24	14	4	27	17	7	30	20	10
24	0	24	15	6	30	21	12	3	27	18	9	0	24	15	6	30	21	12	3	27	18	9	0	24	15	6	30	21	12	3	27	18	9
25	0	25	17	9	1	26	18	10	2	27	19	11	3	28	20	12	4	29	21	13	5	30	22	14	6	31	23	15	7	32	24	16	8
26	0	26	19	12	5	31	24	17	10	3	29	22	15	8	1	27	20	13	6	32	25	18	11	4	30	23	16	9	2	28	21	14	7
27	0	27	21	15	9	3	30	24	18	12	6	0	27	21	15	9	3	30	24	18	12	6	0	27	21	15	9	3	30	24	18	12	6
28	0	28	23	18	13	8	3	31	26	21	16	11	6	1	29	24	19	14	9	4	32	27	22	17	12	7	2	30	25	20	15	10	5
29	0	29	25	21	17	13	9	5	1	30	26	22	18	14	10	6	2	31	27	23	19	15	11	7	3	32	28	24	20	16	12	8	4
30	0	30	27	24	21	18	15	12	9	6	3	0	30	27	24	21	18	15	12	9	6	3	0	30	27	24	21	18	15	12	9	6	3
31	0	31	29	27	25	23	21	19	17	15	13	11	9	7	5	3	1	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2
32	0	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

Table of Inverses for \mathbb{Z}_{33}

x	1	2	4	5	7	8	10	13	14	16	17	19	20	23	25	26	28	29	31	32
x^{-1}	1	17	25	20	19	29	10	28	26	31	2	7	5	23	4	14	13	8	16	32

Latin alphabet with digits

Letter codes

letter	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	0	1	2	3	4	5	6	7	8	9
code	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

Multiplication Table for \mathbb{Z}_{36}

.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	
3	0	3	6	9	12	15	18	21	24	27	30	33	0	3	6	9	12	15	18	21	24	27	30	33	0	3	6	9	12	15	18	21	24	27	30	33	
4	0	4	8	12	16	20	24	28	32	0	4	8	12	16	20	24	28	32	0	4	8	12	16	20	24	28	32	0	4	8	12	16	20	24	28	32	
5	0	5	10	15	20	25	30	35	4	9	14	19	24	29	34	3	8	13	18	23	28	33	2	7	12	17	22	27	32	1	6	11	16	21	26	31	
6	0	6	12	18	24	30	0	6	12	18	24	30	0	6	12	18	24	30	0	6	12	18	24	30	0	6	12	18	24	30	0	6	12	18	24	30	
7	0	7	14	21	28	35	6	13	20	27	34	5	12	19	26	33	4	11	18	25	32	3	10	17	24	31	2	9	16	23	30	1	8	15	22	29	
8	0	8	16	24	32	4	12	20	28	0	8	16	24	32	4	12	20	28	0	8	16	24	32	4	12	20	28	0	8	16	24	32	4	12	20	28	
9	0	9	18	27	0	9	18	27	0	9	18	27	0	9	18	27	0	9	18	27	0	9	18	27	0	9	18	27	0	9	18	27	0	9	18	27	
10	0	10	20	30	4	14	24	34	8	18	28	2	12	22	32	6	16	26	0	10	20	30	4	14	24	34	8	18	28	2	12	22	32	6	16	26	
11	0	11	22	33	8	19	30	5	16	27	2	13	24	35	10	21	32	7	18	29	4	15	26	1	12	23	34	9	20	31	6	17	28	3	14	25	
12	0	12	24	0	12	24	0	12	24	0	12	24	0	12	24	0	12	24	0	12	24	0	12	24	0	12	24	0	12	24	0	12	24	0	12	24	0
13	0	13	26	3	16	29	6	19	32	9	22	35	12	25	2	15	28	5	18	31	8	21	34	11	24	1	14	27	4	17	30	7	20	33	10	23	
14	0	14	28	6	20	34	12	26	4	18	32	10	24	2	16	30	8	22	0	14	28	6	20	34	12	26	4	18	32	10	24	2	16	30	8	22	
15	0	15	30	9	24	3	18	33	12	27	6	21	0	15	30	9	24	3	18	33	12	27	6	21	0	15	30	9	24	3	18	33	12	27	6	21	
16	0	16	32	12	28	8	24	4	20	0	16	32	12	28	8	24	4	20	0	16	32	12	28	8	24	4	20	0	16	32	12	28	8	24	4	20	
17	0	17	34	15	32	13	30	11	28	9	26	7	24	5	22	3	20	1	18	35	16	33	14	31	12	29	10	27	8	25	6	23	4	21	2	19	
18	0	18	0	18	0	18	0	18	0	18	0	18	0	18	0	18	0	18	0	18	0	18	0	18	0	18	0	18	0	18	0	18	0	18	0	18	
19	0	19	2	21	4	23	6	25	8	27	10	29	12	31	14	33	16	35	18	1	20	3	22	5	24	7	26	9	28	11	30	13	32	15	34	17	
20	0	20	4	24	8	28	12	32	16	0	20	4	24	8	28	12	32	16	0	20	4	24	8	28	12	32	16	0	20	4	24	8	28	12	32	16	
21	0	21	6	27	12	33	18	3	24	9	30	15	0	21	6	27	12	33	18	3	24	9	30	15	0	21	6	27	12	33	18	3	24	9	30	15	
22	0	22	8	30	16	2	24	10	32	18	4	26	12	34	20	6	28	14	0	22	8	30	16	2	24	10	32	18	4	26	12	34	20	6	28	14	
23	0	23	10	33	20	7	30	17	4	27	14	1	24	11	34	21	8	31	18	5	28	15	2	25	12	35	22	9	32	19	6	29	16	3	26	13	
24	0	24	12	0	24	12	0	24	12	0	24	12	0	24	12	0	24	12	0	24	12	0	24	12	0	24	12	0	24	12	0	24	12	0	24	12	0
25	0	25	14	3	28	17	6	31	20	9	34	23	12	1	26	15	4	29	18	7	32	21	10	35	24	13	2	27	16	5	30	19	8	33	22	11	
26	0	26	16	6	32	22	12	2	28	18	8	34	24	14	4	30	20	10	0	26	16	6	32	22	12	2	28	18	8	34	24	14	4	30	20	10	
27	0	27	18	9	0	27	18	9	0	27	18	9	0	27	18	9	0	27	18	9	0	27	18	9	0	27	18	9	0	27	18	9	0	27	18	9	
28	0	28	20	12	4	32	24	16	8	0	28	20	12	4	32	24	16	8	0	28	20	12	4	32	24	16	8	0	28	20	12	4	32	24	16	8	
29	0	29	22	15	8	1	30	23	16	9	2	31	24	17	10	3	32	25	18	11	4	33	26	19	12	5	34	27	20	13	6	35	28	21	14	7	
30	0	30	24	18	12	6	0	30	24	18	12	6	0	30	24	18	12	6	0	30	24	18	12	6	0	30	24	18	12	6	0	30	24	18	12	6	
31	0	31	26	21	16	11	6	1	32	27	22	17	12	7	2	33	28	23	18	13	8	3	34	29	24	19	14	9	4	35	30	25	20	15	10	5	
32	0	32	28	24	20	16	12	8	4	0	32	28	24	20	16	12	8	4	0	32	28	24	20	16	12	8	4	0	32	28	24	20	16	12	8	4	
33	0	33	30	27	24	21	18	15	12	9	6	3	0	33	30	27	24	21	18	15	12	9	6	3	0	33	30	27	24	21	18	15	12	9	6	3	
34	0	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	
35	0	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	

Table of Inverses for \mathbb{Z}_{36}

x	1	5	7	11	13	17	19	23	25	29	31	35
x^{-1}	1	29	31	23	25	17	19	11	13	5	7	35

Just a few letters (for practice)

Letter codes

letter	A	B	C	D	E
code	0	1	2	3	4

Multiplication Table for \mathbb{Z}_5

·	0	1	2	3	4
0	0	0	0	0	0
1	0	1	2	3	4
2	0	2	4	1	3
3	0	3	1	4	2
4	0	4	3	2	1

Table of Inverses for \mathbb{Z}_5

x	1	2	3	4
x^{-1}	1	3	2	4

Letter codes

letter	A	B	C	D	E	F
code	0	1	2	3	4	5

Multiplication Table for \mathbb{Z}_6

·	0	1	2	3	4	5
0	0	0	0	0	0	0
1	0	1	2	3	4	5
2	0	2	4	0	2	4
3	0	3	0	3	0	3
4	0	4	2	0	4	2
5	0	5	4	3	2	1

Table of Inverses for \mathbb{Z}_6

x	1	5
x^{-1}	1	5

Letter codes

letter	A	B	C	D	E	F	G
code	0	1	2	3	4	5	6

Multiplication Table for \mathbb{Z}_7

·	0	1	2	3	4	5	6
0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6
2	0	2	4	6	1	3	5
3	0	3	6	2	5	1	4
4	0	4	1	5	2	6	3
5	0	5	3	1	6	4	2
6	0	6	5	4	3	2	1

Table of Inverses for \mathbb{Z}_7

x	1	2	3	4	5	6
x^{-1}	1	4	5	2	3	6

Letter codes

letter	A	B	C	D	E	F	G	H
code	0	1	2	3	4	5	6	7

Multiplication Table for \mathbb{Z}_8

·	0	1	2	3	4	5	6	7
0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7
2	0	2	4	6	0	2	4	6
3	0	3	6	1	4	7	2	5
4	0	4	0	4	0	4	0	4
5	0	5	2	7	4	1	6	3
6	0	6	4	2	0	6	4	2
7	0	7	6	5	4	3	2	1

Table of Inverses for \mathbb{Z}_8

x	1	3	5	7
x^{-1}	1	3	5	7

Letter codes

letter	A	B	C	D	E	F	G	H	I
code	0	1	2	3	4	5	6	7	8

Multiplication Table for \mathbb{Z}_9

·	0	1	2	3	4	5	6	7	8
0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8
2	0	2	4	6	8	1	3	5	7
3	0	3	6	0	3	6	0	3	6
4	0	4	8	3	7	2	6	1	5
5	0	5	1	6	2	7	3	8	4
6	0	6	3	0	6	3	0	6	3
7	0	7	5	3	1	8	6	4	2
8	0	8	7	6	5	4	3	2	1

Table of Inverses for \mathbb{Z}_9

x	1	2	4	5	7	8
x^{-1}	1	5	7	2	4	8

Letter codes

letter	A	B	C	D	E	F	G	H	I	J
code	0	1	2	3	4	5	6	7	8	9

Multiplication Table for \mathbb{Z}_{10}

·	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	0	2	4	6	8
3	0	3	6	9	2	5	8	1	4	7
4	0	4	8	2	6	0	4	8	2	6
5	0	5	0	5	0	5	0	5	0	5
6	0	6	2	8	4	0	6	2	8	4
7	0	7	4	1	8	5	2	9	6	3
8	0	8	6	4	2	0	8	6	4	2
9	0	9	8	7	6	5	4	3	2	1

Table of Inverses for \mathbb{Z}_{10}

x	1	3	7	9
x^{-1}	1	7	3	9