

FIGURI, TABELE PENTRU LABORATOR

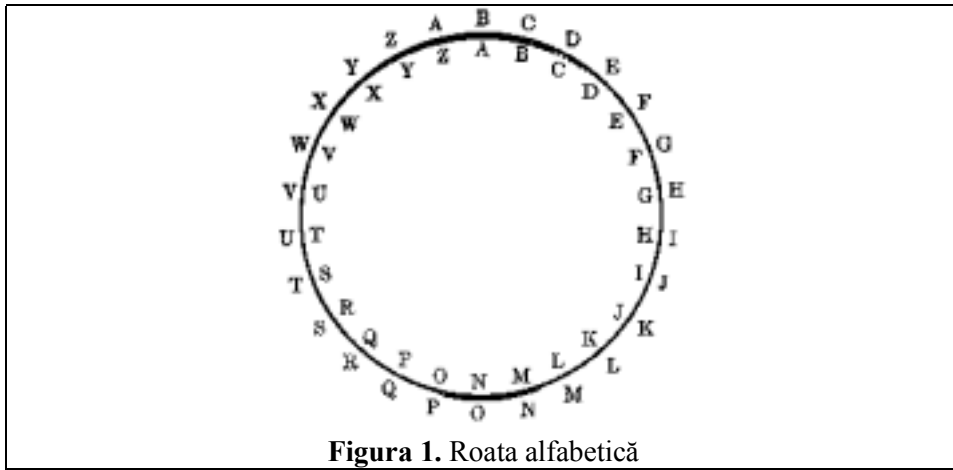


Figura 1. Roata alfabetică

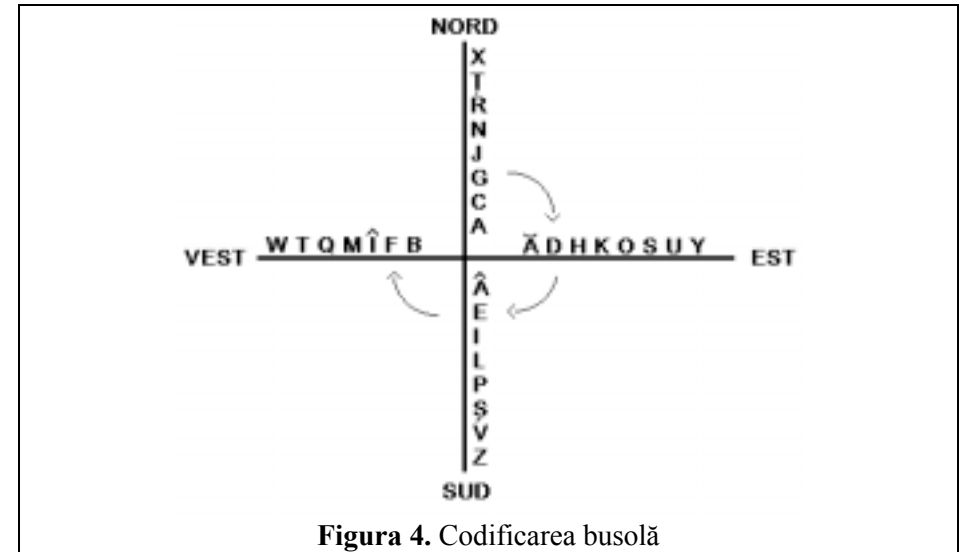


Figura 4. Codificarea busolă

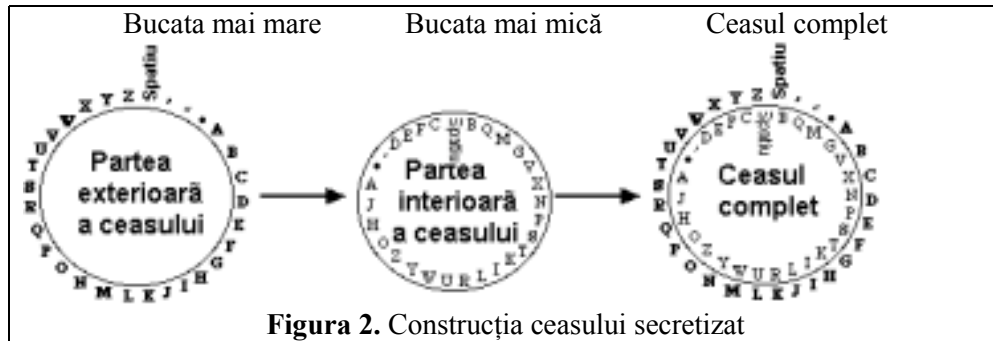


Figura 2. Construcția ceasului secretizat

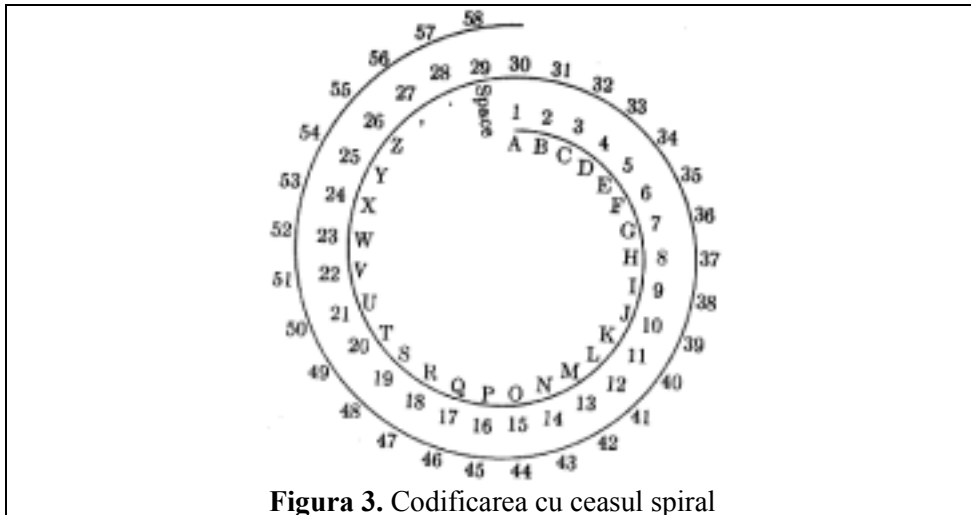


Figura 3. Codificarea cu ceasul spiral

Literele cuvântului cheie

	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
A	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
B	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	A
C	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B
D	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C
E	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D
F	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E
G	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F
H	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G
I	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H
J	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I
K	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J
L	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K
M	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L
N	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M
O	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N
P	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Q	Q	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
R	R	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
S	S	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
T	T	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
U	U	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
V	V	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
W	W	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
X	X	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
Y	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
Z	Z	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

Figura 5. Exemplu de tabelă Viginere

A	B	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
C	D	a	b	c	d	e	f	g	h	i	j	k	l	m
		z	n	o	p	q	r	s	t	u	v	w	x	y
E	F	a	b	c	d	e	f	g	h	i	j	k	l	m
		y	z	n	o	p	q	r	s	t	u	v	w	x
G	H	a	b	c	d	e	f	g	h	i	j	k	l	m
		x	y	z	n	o	p	q	r	s	t	u	v	w
I	J	a	b	c	d	e	f	g	h	i	j	k	l	m
		w	x	y	z	n	o	p	q	r	s	t	u	v
K	L	a	b	c	d	e	f	g	h	i	j	k	l	m
		v	w	x	y	z	n	o	p	q	r	s	t	u
M	N	a	b	c	d	e	f	g	h	i	j	k	l	m
		u	v	w	x	y	z	n	o	p	q	r	s	t
O	P	a	b	c	d	e	f	g	h	i	j	k	l	m
		t	u	v	w	x	y	z	n	o	p	q	r	s
Q	R	a	b	c	d	e	f	g	h	i	j	k	l	m
		s	t	u	v	w	x	y	z	n	o	p	q	r
S	T	a	b	c	d	e	f	g	h	i	j	k	l	m
		r	s	t	u	v	w	x	y	z	n	o	p	q
U	V	a	b	c	d	e	f	g	h	i	j	k	l	m
		q	r	s	t	u	v	w	x	y	z	n	o	p
W	X	a	b	c	d	e	f	g	h	i	j	k	l	m
		p	q	r	s	t	u	v	w	x	y	z	n	o
Y	Z	a	b	c	d	e	f	g	h	i	j	k	l	m
		o	p	q	r	s	t	u	v	w	x	y	z	n

Figura 6. Tabela Porta

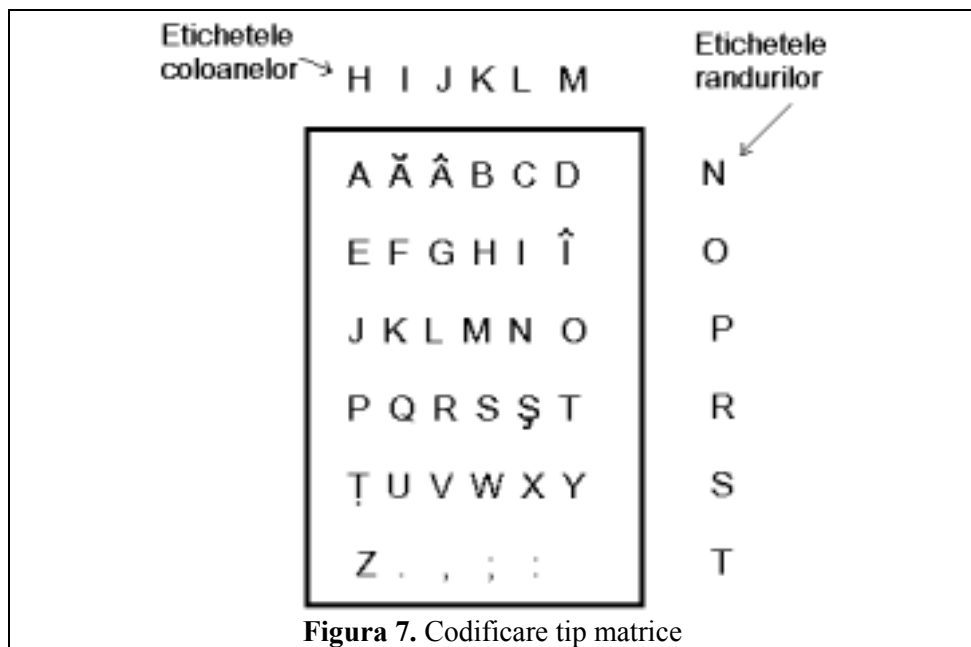


Figura 7. Codificare tip matrice

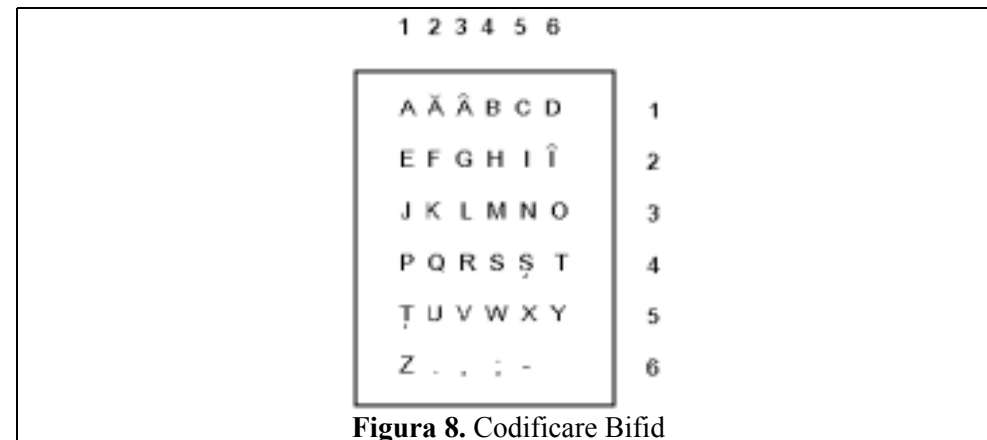


Figura 8. Codificare Bifid

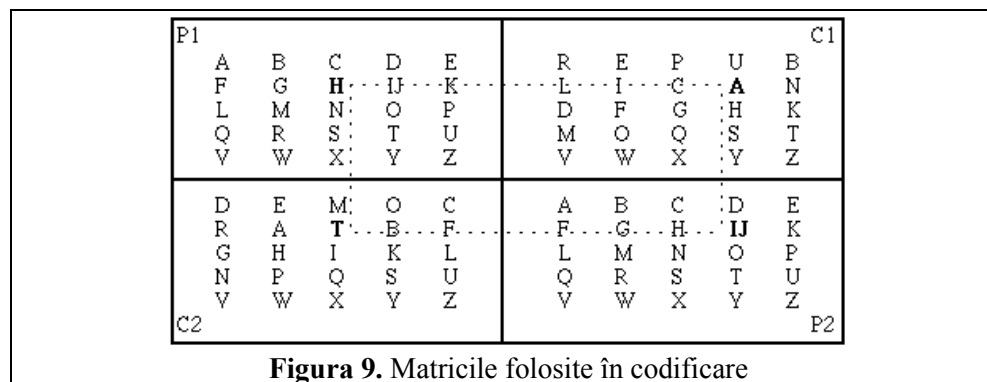


Figura 9. Matricile folosite în codificare

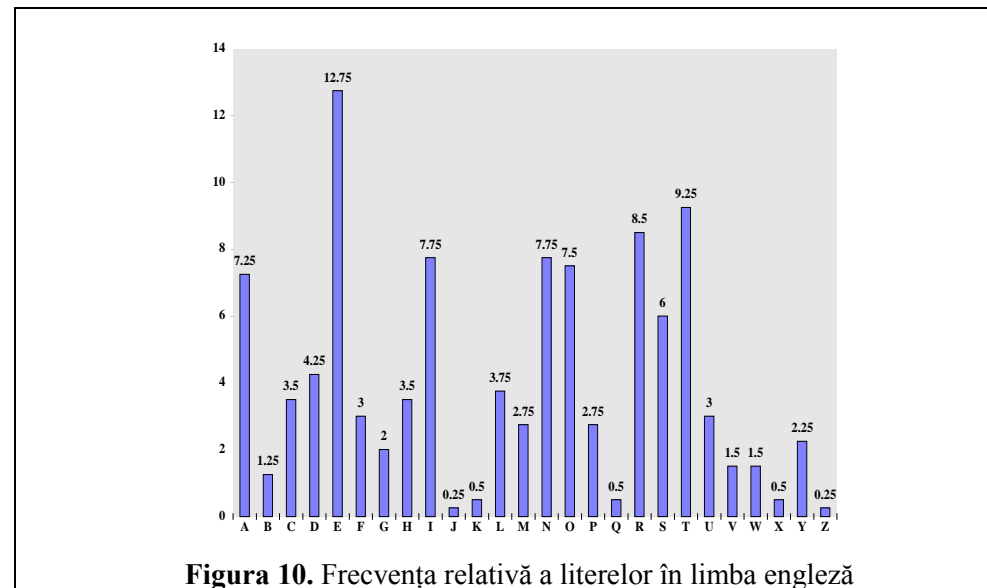


Figura 10. Frecvența relativă a literelor în limba engleză

Frecvența relativă a literelor în textul criptat (în procente)

P 13,33	H 5,83	F 3,33	B 1,67	C 0,00
Z 11,67	D 5,00	W 3,33	G 1,67	K 0,00
S 8,33	E 5,00	Q 2,50	Y 1,67	L 0,00
U 8,33	V 4,17	T 2,50	I 0,83	N 0,00
O 7,50	X 4,17	A 1,67	J 0,83	R 0,00
M 6,67				

Ordinea rândurilor de codificare:

1 3 5 6 4 2

Cuvânt cheie:

S A N T A J

P L Ă T E Ș

Coloana 1: **PTUĂFNȚ**

T E - M I D

Coloana 2: **ȘDCUONZ**

U M I N I C

Coloana 3: **LEMSESE**

Ă S A U S U

Coloana 4: **EIISCIZ**

F E R Ă C O

Coloana 5: **Ă-IAREL**

N S E C I N

Coloana 6: **TMNUĂCE**

Ț E L E Z Z

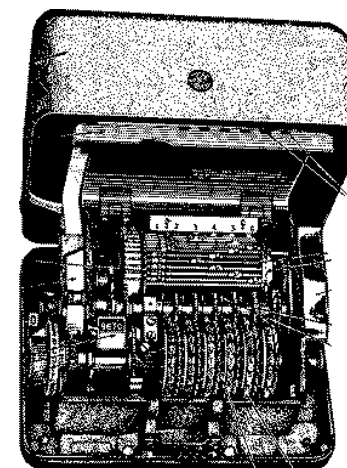
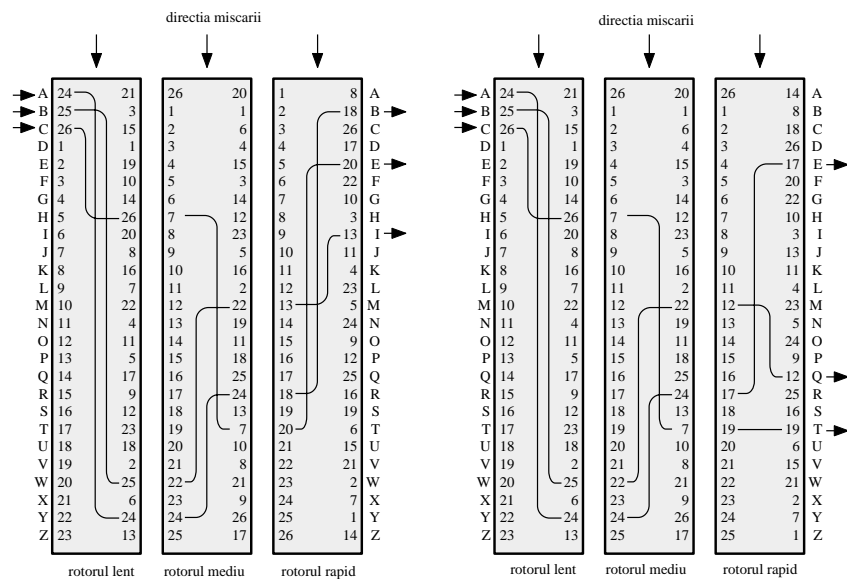


Figura 11. Mașina rotativă Enigma



(a) Pozitia Initiala

(b) Pozitia dupa apasarea unei taste

Figura 12. Mecanismul de funcționare a mașinilor rotative