

A1, A2, A3, A4, A5, B5
C2, D2, E2, C3, E3, C4, E4, C5, E5, C6, D6, E6

F4, H4, F5, H5, F6, H6, F7, H7, G8,

B7, D7, A8, B8, C8, D8, E8, B9, C9, D9, I5, J5, I6, I7, I8, I9, J7, J9, C10

## ROZKODUJ SZYFR LICZBOWY

| A | B | C | D | E | F | G | H | I | J | K | L |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9 | 2 | 11 | 16 | 6 | 13 | 19 | 5 | 22 | 12 | 7 | 26 |


| $\mathbf{M}$ | $\mathbf{N}$ | $\mathbf{O}$ | $\mathbf{O}$ | $\mathbf{P}$ | $\mathbf{R}$ | $\mathbf{S}$ | $\mathbf{T}$ | $\mathbf{U}$ | $\mathbf{W}$ | $\mathbf{Y}$ | $\mathbf{Z}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8 | 24 | 4 | 10 | 14 | 20 | 18 | 15 | 21 | 17 | 3 | 25 |


| $4 \times 2$ | $3 \times 3$ | $3 \times 5$ | $1 \times 8$ | $9 \times 1$ |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |


| $4 \times 3$ | $2 \times 3$ | $6 \times 3$ | $5 \times 3$ |
| :--- | :--- | :--- | :--- |
|  |  |  |  |


| $2 \times 9$ | $7 \times 3$ | $7 \times 2$ | $3 \times 2$ | $4 \times 5$ |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |



Pokoloruj kratki wg wzoru:
$7 C$

2D, 7D
$1 E, 3 E, 7 E$
$2 F, 3 F, 4 F, 5 F, 6 F, 7 F, 8 F, 9 F, 10 F$
1G, 3G, 7G
$2 \mathrm{H}, 7 \mathrm{H}$
71
$4 C, 5 C, 6 C, 8 C, 9 C, 10 C$
4D ,5D , 6D , 8D , 9D , 10D
$4 E, 5 E, 6 E, 8 E, 9 E, 10 E$
$4 \mathrm{G}, 5 \mathrm{G}, 6 \mathrm{G}, 8 \mathrm{G}, 9 \mathrm{G}, 10 \mathrm{G}$
$4 \mathrm{H}, 5 \mathrm{H}, 6 \mathrm{H}, 8 \mathrm{H}, 9 \mathrm{H}, 10 \mathrm{H}$
$41,51,61,81,91,101$
ROZKODUJTO! 2

| P | A | F | O |
| :---: | :---: | :---: | :---: |
| I | A | L | S |
| A | G | S | T |
| A | R | E | D |



| T | S | Z | I |
| :---: | :---: | :---: | :---: |
| A | R | A | W |
| W | L | P | A |
| C | O | S | Z |



| U | E | Z | R |
| :---: | :---: | :---: | :---: |
| D | $Ł$ | $R$ | O |
| S | B | I | $Y$ |
| I | $M$ | $A$ | $Ł$ |



| W | E | O | I |
| :---: | :---: | :---: | :---: |
| U | C | N | Z |
| T | D | I | E |
| R | G | N | O |

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## Zakodowanie symbole Polski

Rysunek 1

czerwony - A1, B1, C1, D1, E1, F1, G1, H1, I1, J1, K1, L1, M1, A2, B2, C2, D2, E2, F2, I2, J2, K2,
L2, M2, A3, B3, E3, I3, L3, M3, A4, E4, F4, I4, M4, A5, B5, E5, F5, H5, I5, L5, M5, A6, E6, I6,
M6, A7, B7, L7, M7, A8, B8, D8, E8, F8, H8, I8, J8, L8, M8, A9, B9, C9, D9, E9, I9, J9, K9, L9,
M9, A10, B10, C10, D10, F10, H10, J10, K10, L10, M10, A11, B11, E11, F11, H11, I11, L11, M11, A12,
$\mathrm{B} 12, \mathrm{C} 12, \mathrm{D} 12, \mathrm{E} 12, \mathrm{I} 12, \mathrm{~J} 12, \mathrm{~K} 12, \mathrm{~L} 12, \mathrm{M} 12, \mathrm{~B} 13, \mathrm{C} 13, \mathrm{D} 13, \mathrm{E} 13, \mathrm{~F} 13, \mathrm{H} 13, \mathrm{I} 13, \mathrm{~J} 13, \mathrm{~K} 13, \mathrm{~L} 13, \mathrm{~F} 14$,
G14, H14, G15,
zólty -G2, H2, F3, C11, K11.

## Rysunek 2


jasnoniebieski - A1, B1, C1, D1, E1, F1, G1, H1, I1, J1, K1, L1, M1, N1, A2, B2, C2, D2, E2, J2, K2, L2, M2, N2, A3, B3, C3, D3, K3, L3, M3, N3, A4, B4, C4, L4, M4 , N4, A5, B5, M5, N5, A6, N6, A7, N7, A8, N8, A9, N9, A10, B10, M10, N10, A11, B11, C11, L11, M11, N11, A12, B12, C12, D12, K12, L12, M12, N12, A13, B13, C13, L13, M13, N13, A14, F14, G14, H14, I14, N14, A15, B15, E15, F15, G15, H15, I15, J15, M15, N15,
eczerwony - , F2, G2, H2, I2, E3, F3, G3, H3, I3, J3, D4, E4, J4, K4, C5, D5, K5, L5, B6, C6, L6, M6, B7, C7, L7, M7, B8, C8, L8, M8, B9, C9, L9, M9, C10, D10, K10, L10, D11, E11, J11, K11, E12, F12, G12, H12, I12, J12, F13, G13, H13, I13, J13, K13, J14, K14, L14, M14, K15, L15,

## Rysunek 3

| $A$ | $B$ | $C$ | $D$ | $E$ | $F$ | G | H |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

O jasnoniebieski - A1, B1, C1, D1, E1, F1, G1, H1, I1, J1, K1, L1, M1, N1, A2, B2, C2, D2, E2, F2, G2, H2, I2, J2, K2, L2, M2, N2, A3, B3, C3, D3, E3, F3, G3, H3, I3, J3, K3, L3, M3, N3, A4, N4, A5, N5, A6, N6, A7, N7, A8, N8, A9, N9, A10, N10, A11, N11, A12, C12, D12, E12, F12, G12, H12, I12, J12, K12, L12, M12, $\mathrm{N} 12, \mathrm{~A} 13, \mathrm{C} 13, \mathrm{D} 13, \mathrm{E} 13, \mathrm{~F} 13, \mathrm{G} 13, \mathrm{H} 13, \mathrm{I} 13, \mathrm{~J} 13, \mathrm{~K} 13, \mathrm{~L} 13$, M13, N13, A14, C14, D14, E14, F14, G14, H14 $\mathrm{I} 14, \mathrm{~J} 14, \mathrm{~K} 14, \mathrm{~L} 14, \mathrm{M} 14, \mathrm{~N} 14, \mathrm{~A} 15, \mathrm{C} 15, \mathrm{D} 15, \mathrm{E} 15, \mathrm{~F} 15, \mathrm{G} 15, \mathrm{H} 15, \mathrm{I} 15, \mathrm{~J} 15, \mathrm{~K} 15, \mathrm{~L} 15, \mathrm{M} 15, \mathrm{~N} 15$.

- brqzowy - B4, B5, B6, B7, B8, B9, B10, B11, B12, B13, B14, B15.
- czerwory - C8, D8, E8, F8, G8, H8, I8, J8, K8, L8, M8, C9, D9, E9, F9, G9, H9, I9, J9, K9, L9, M9, C10, D10, E10, F10, G10, H10, I10, J10, K10, L10, M10, C11, D11, E11, F11, G11, H11, I11, J11, K11, L11, M11.

Rysunek 4


- jasnoniebieski - A1, B1, C1, D1, E1, F1, G1, H1, I1, J1, K1, L1, M1, N1, A2, B2, C2, D2, I2, J2, K2, L2, M2, N2, A3, B3, H3, I3, J3, K3, L3, M3, N3, A4, M4, N4, A5, N5, A6, N6, A7, N7, A8, N8, A9, N9, A10, N10, A11, B11, N11, A12, B12, C12, M12, N12, A13, B13, C13, D13, E13, M13, N13, A14, B14, C14, D14, E14, F14, G14, L14, M14, N14, A15, B15, C15, D15, E15, F15, G15, H15, I15, K15, L15, M15, N15,
- czerwony - B9, C9, D9, E9, F9, G9, H9, I9, J9, K9, L9, M9, B10, C10, D10, E10, F10, G10, H10, I10, J10, K10, L10, M10, C11, D11, E11, F11, G11, H11, I11, J11, K11, L11, M11, D12, E12, F12, G12, $\mathrm{H} 12, \mathrm{I} 12, \mathrm{~J} 12, \mathrm{~K} 12, \mathrm{~L} 12, \mathrm{~F} 13, \mathrm{G} 13, \mathrm{H} 13, \mathrm{I} 13, \mathrm{~J} 13, \mathrm{~K} 13, \mathrm{~L} 13, \mathrm{H} 14, \mathrm{I} 14, \mathrm{~J} 14, \mathrm{~K} 14, \mathrm{~J} 15$.

|  | A | B | C | D | E | F | G | H | I | J | K | L | M |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |

SZARY: C5, E5, H8, J8, G17, H17, F12, G12, H11, I11, H9, J9, K13 SZARY: K14, B15, C15, D15, D16, K15, B12, C12, D12, I6, J6, K6, C13

CZARNY: E14, I14
SZARY: C9, E9, F17, I17, C10, E10, H10, J10, C7, E7, H7, K7, J13 SZARY: E12, H12, I12, B13, C6, E6, H6, C16, E16, F16, G16, H16, G13

RÓżOWY: D6, I8, F15, I10, D10, I7, D7, 19, J7, D9, G15, D8
SZARY: D17, E17, D5, C8, E8, C11, D11, J12, K12, G14, J15, F13
SZARY: E11, F11, G11, J11, B14, C14, F14, J14, E15, H15, I15, I16, J16

SZARY: C5, E5, H8, J8, G17, H17, F12, G12, H11, I11, H9, J9, K13 SZARY: K14, B15, C15, D15, D16, K15, B12, C12, D12, I6, J6, K6, C13

CZARNY: E14, I14
SZARY: C9, E9, F17, I17, C10, E10, H10, J10, C7, E7, H7, K7, J13
SZARY: E12, H12, I12, B13, C6, E6, H6, C16, E16, F16, G16, H16, G13

RÓżOWY: D6, I8, F15, I10, D10, I7, D7, I9, J7, D9, G15, D8
SZARY: D17, E17, D5, C8, E8, C11, D11, J12, K12, G14, J15, F13
SZARY: E11, F11, G11, J11, B14, C14, F14, J14, E15, H15, I15, I16, J16

SZARY: C5, E5, H8, J8, G17, H17, F12, G12, H11, I11, H9, J9, K13 SZARY: K14, B15, C15, D15, D16, K15, B12, C12, D12, I6, J6, K6, C13

CZARNY: E14, I14
SZARY: C9, E9, F17, I17, C10, E10, H10, J10, C7, E7, H7, K7, J13
SZARY: E12, H12, I12, B13, C6, E6, H6, C16, E16, F16, G16, H16, G13

RÓżOWY: D6, I8, F15, I10, D10, I7, D7, I9, J7, D9, G15, D8
SZARY: D17, E17, D5, C8, E8, C11, D11, J12, K12, G14, J15, F13
SZARY: E11, F11, G11, J11, B14, C14, F14, J14, E15, H15, I15, I16, J16

|  | A | B | C | D | $E$ | F | G | H | I | J |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |

## Pokoloruj kratki wg wzoru:

$\left.\begin{array}{lr} & \begin{array}{r}5 A, 6 A \\ 2 B \\ 2 C\end{array} \\ \text { 3D } & 4 \mathrm{~B}, 7 \mathrm{~B}\end{array}\right)$

| 9A |
| :---: |
| 8B, 9B, 10B |
| 8C, 9C, 10C |
| 8D, 9D, 10D |
| 8G, 9G, 10G |
| $8 \mathrm{H}, 9 \mathrm{H}, 10 \mathrm{H}$ |
| 81, 91, 101 |
| 9J |

