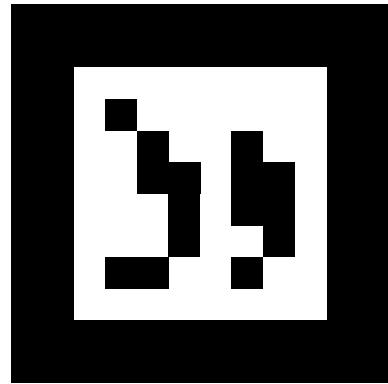


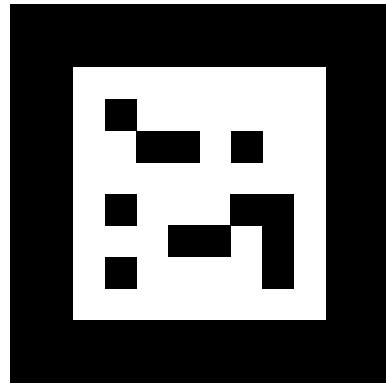


⁵⁷ La	⁵⁸ Ce	⁵⁹ Pr	⁶⁰ Nd	⁶¹ Pm	⁶² Sm	⁶³ Eu	⁶⁴ Gd	⁶⁵ Tb	⁶⁶ Dy	⁶⁷ Ho	⁶⁸ Er	⁶⁹ Tm	⁷⁰ Yb	⁷¹ Lu
⁸⁹ Ac	⁹⁰ Th	⁹¹ Pa	⁹² U	⁹³ Np	⁹⁴ Pu	⁹⁵ Am	⁹⁶ Cm	⁹⁷ Bk	⁹⁸ Cf	⁹⁹ Es	¹⁰⁰ Fm	¹⁰¹ Md	¹⁰² No	¹⁰³ Lr

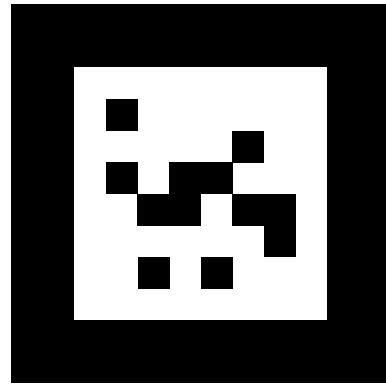




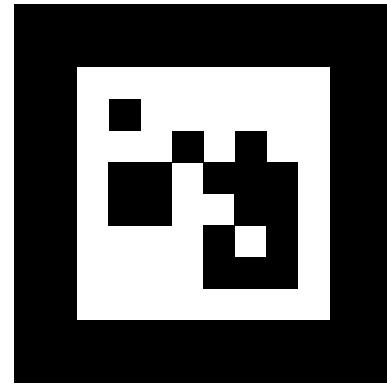
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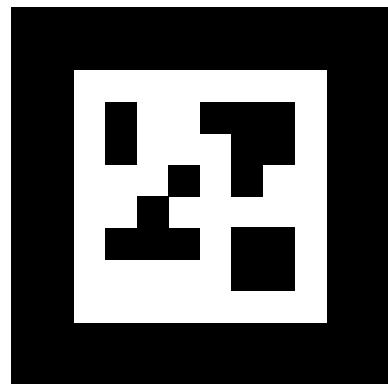
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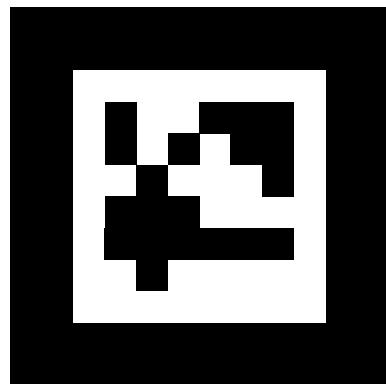
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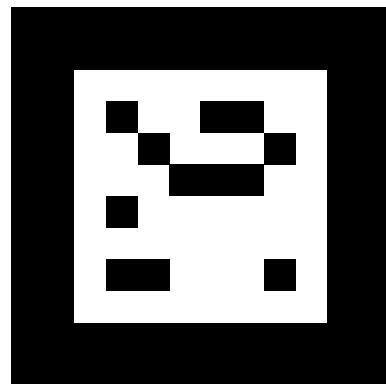
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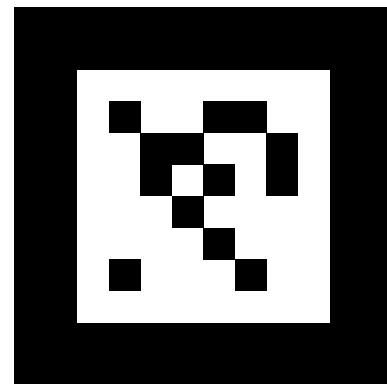
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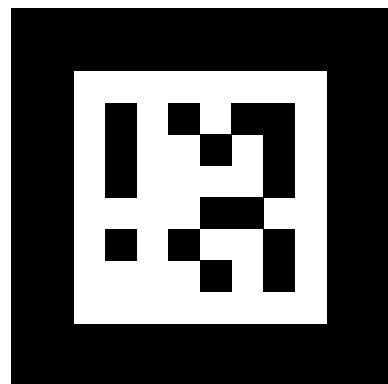
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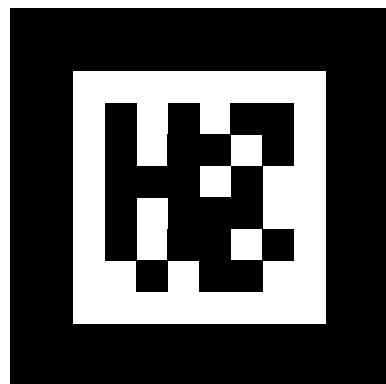
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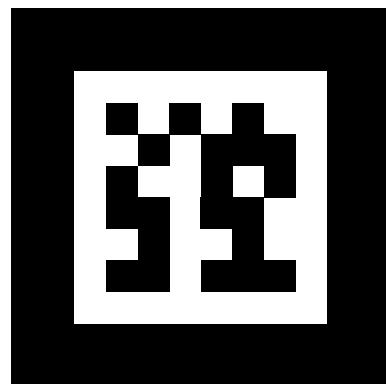
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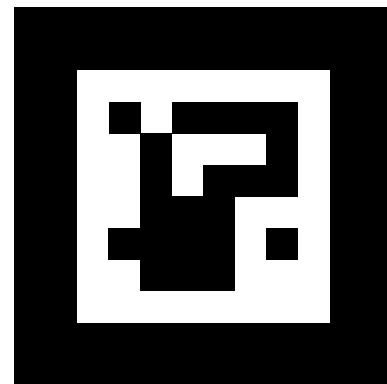
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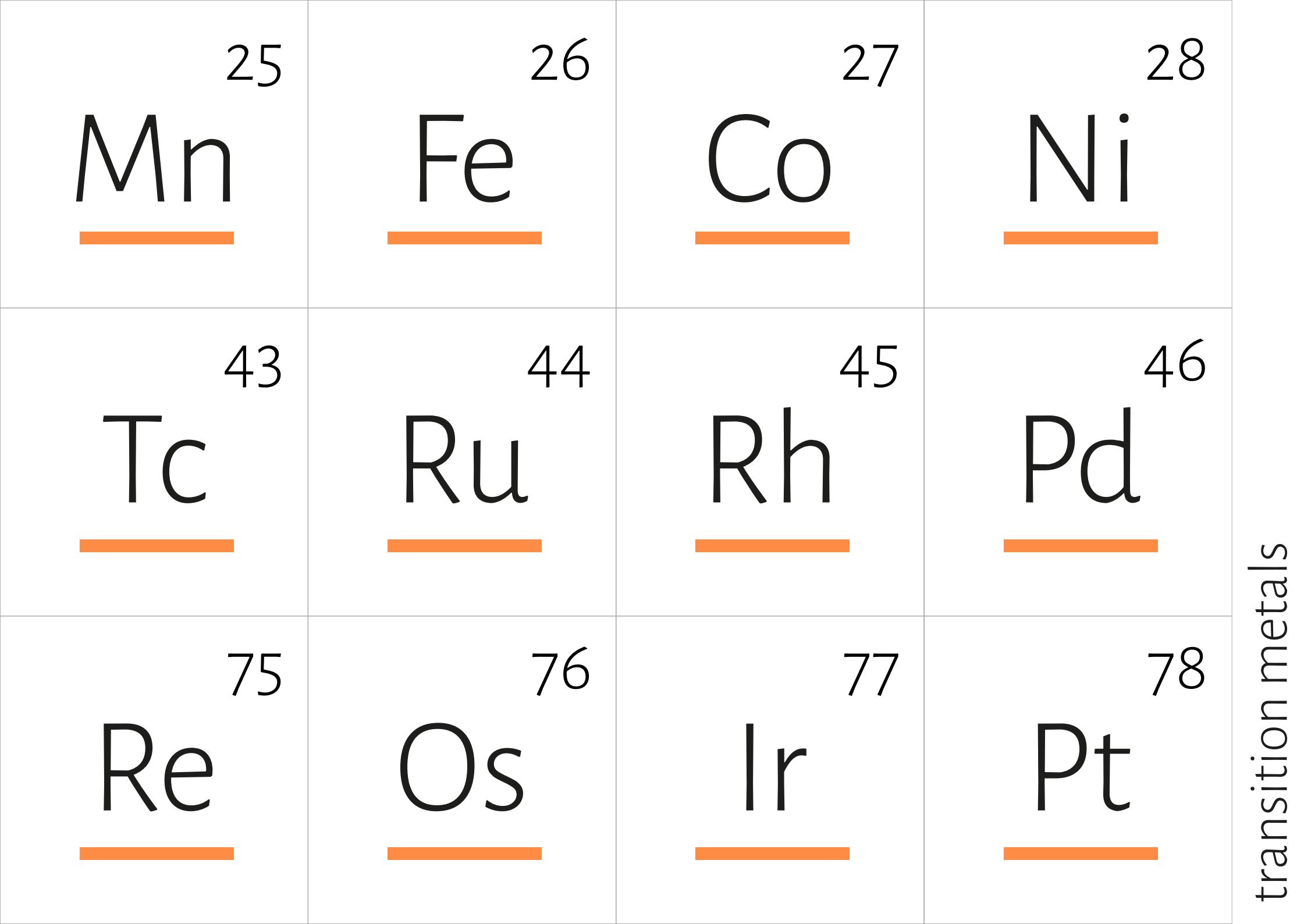
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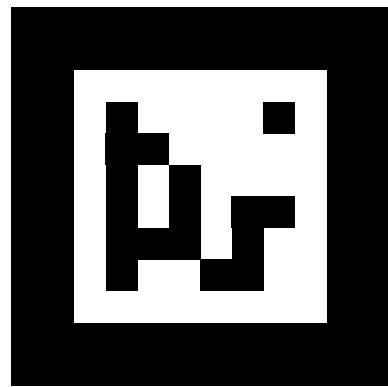


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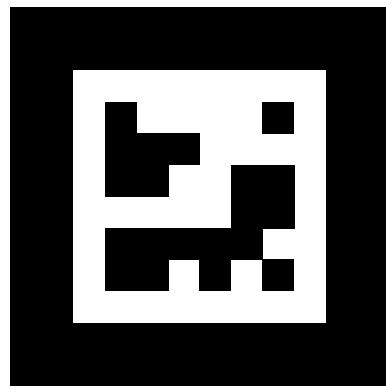


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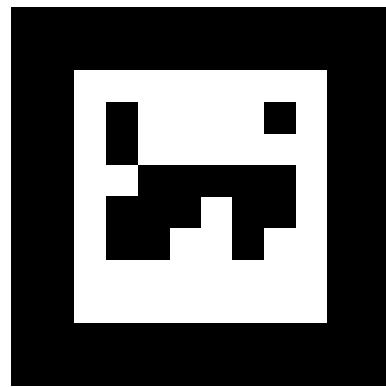




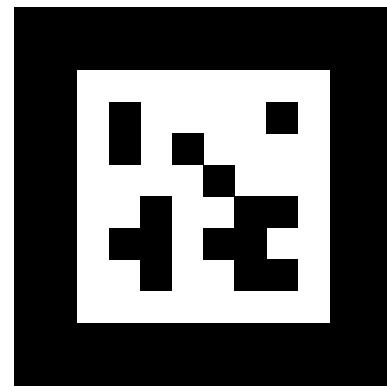
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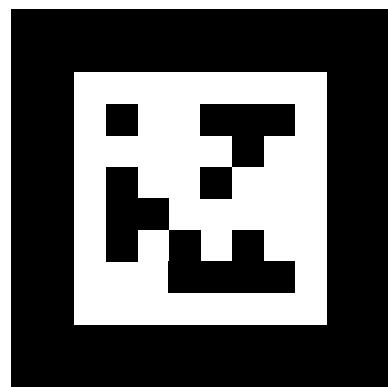
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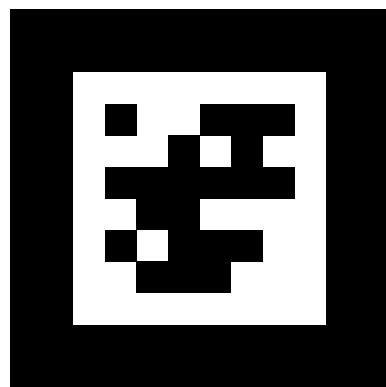
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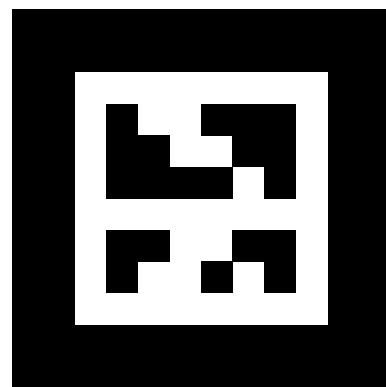
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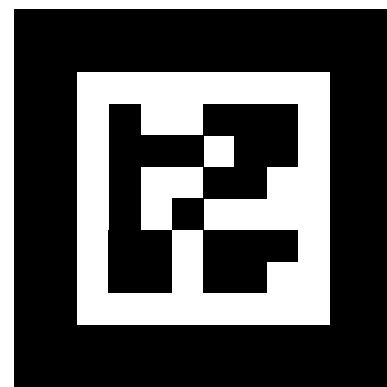
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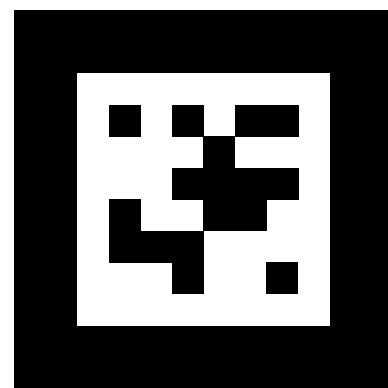
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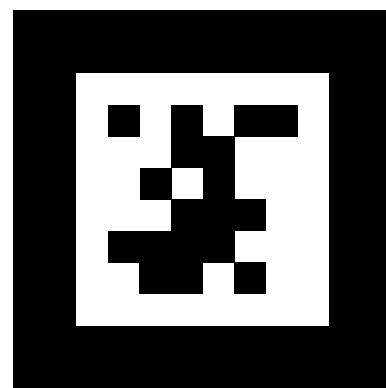
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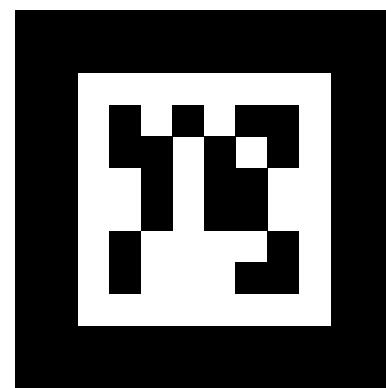
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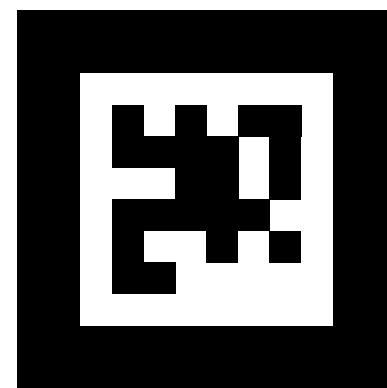
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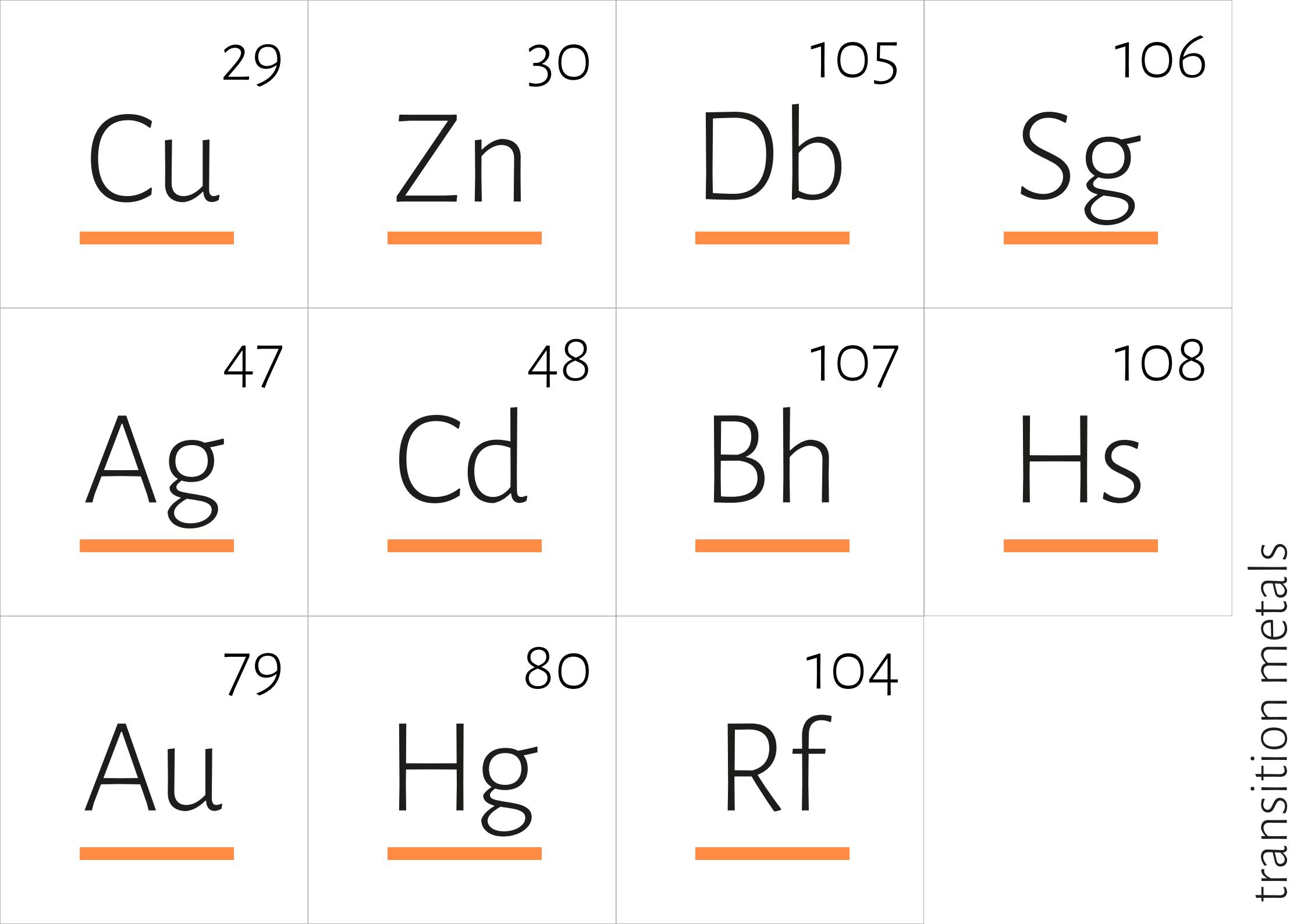
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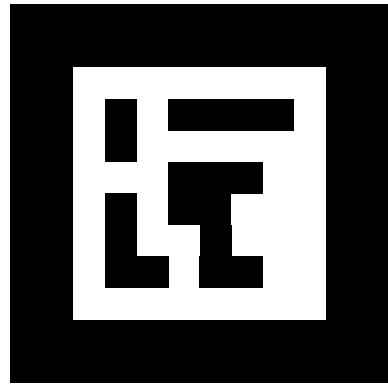


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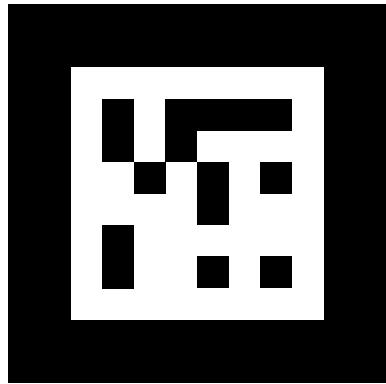


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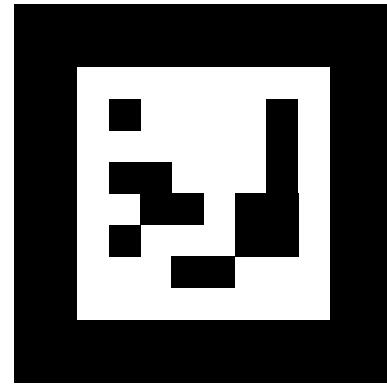




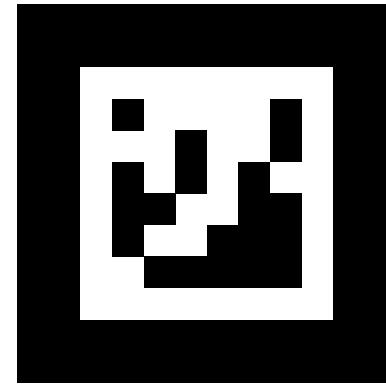
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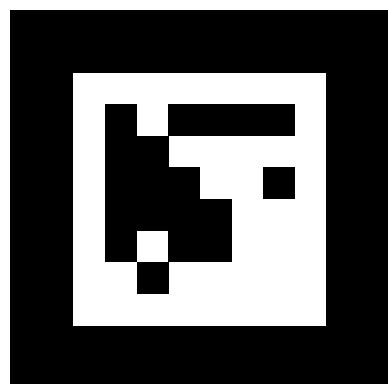
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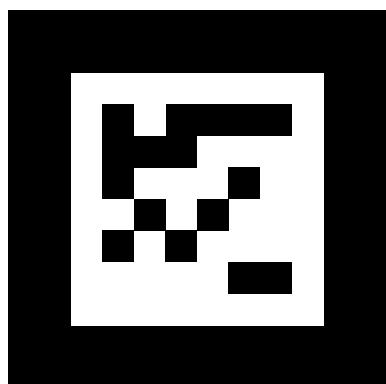
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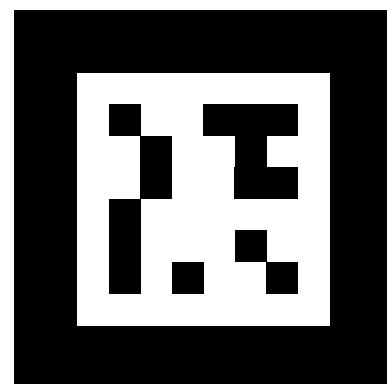
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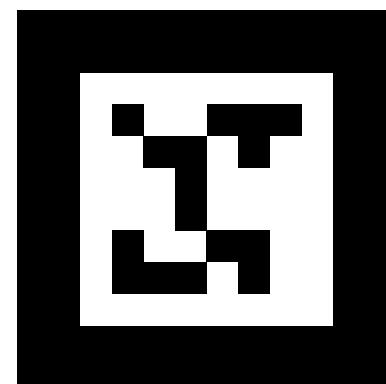
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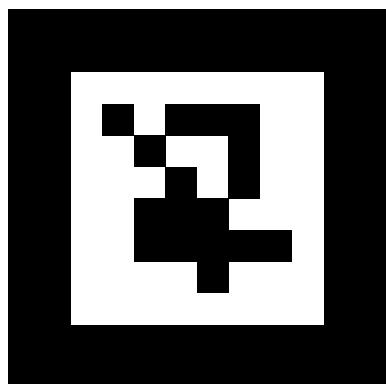
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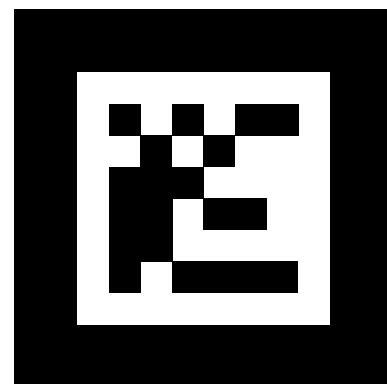
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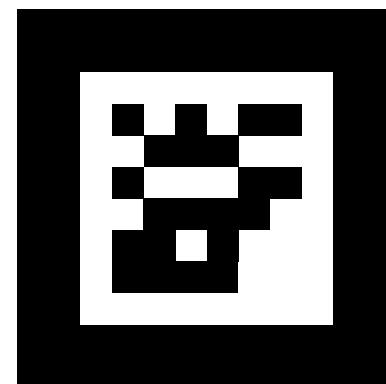
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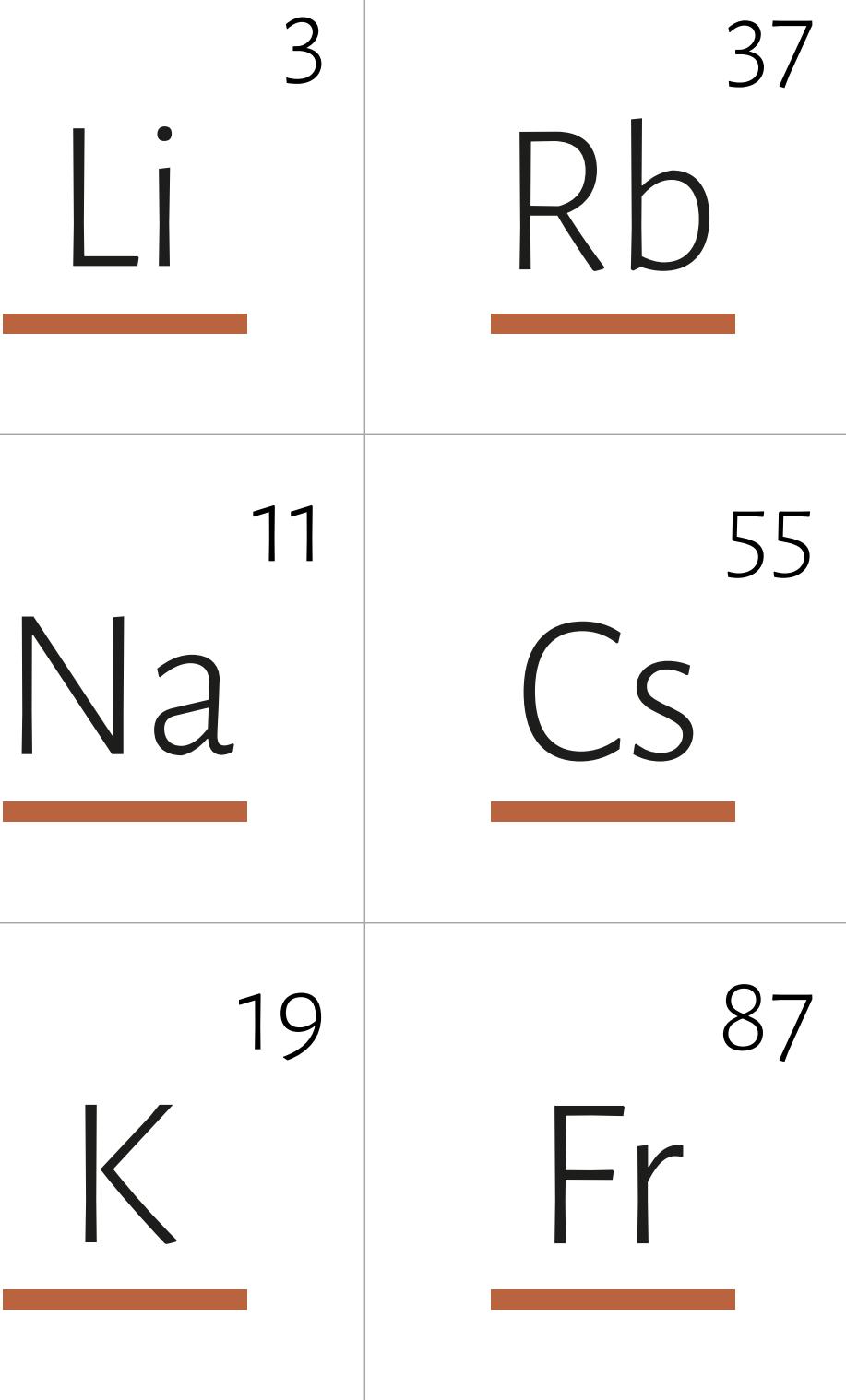
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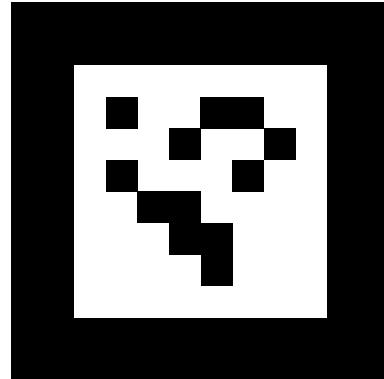
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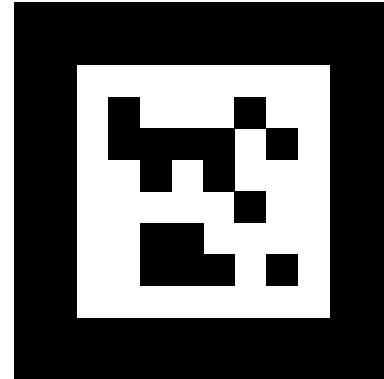
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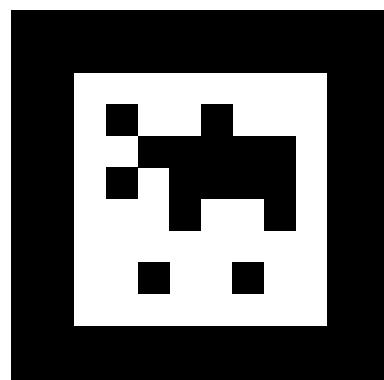
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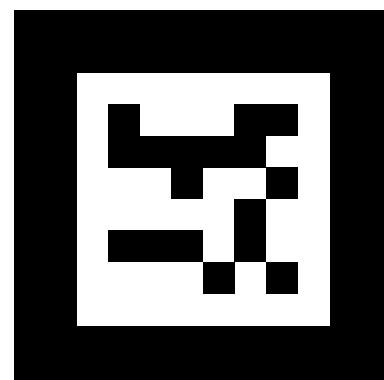
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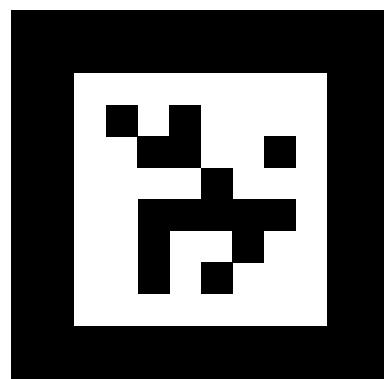
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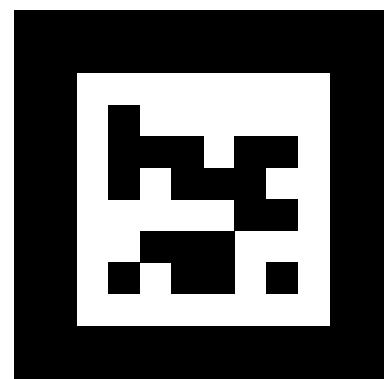
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11



87



19

Be

4

Sr

38

Mg

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Ba

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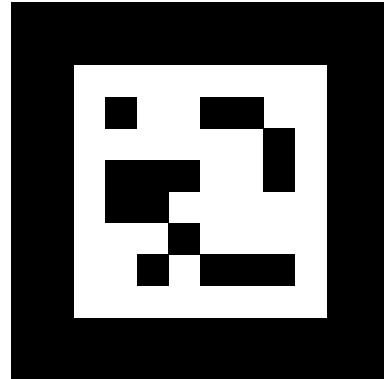
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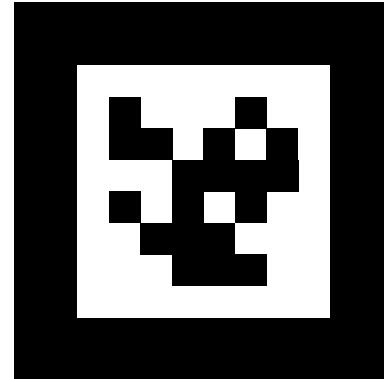
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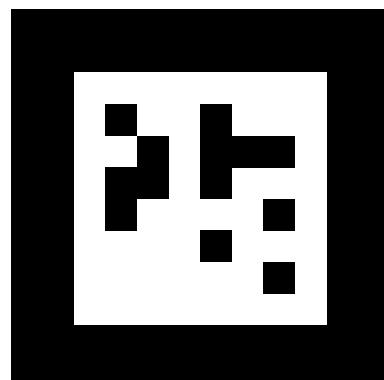
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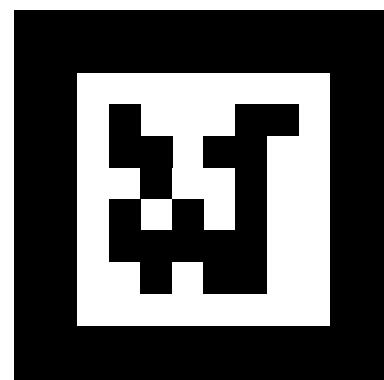
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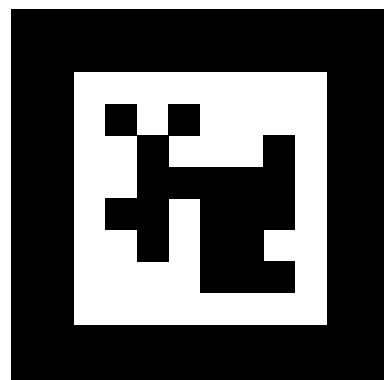
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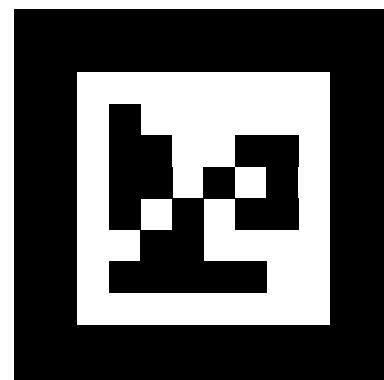
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12



88



20

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36

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10

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54

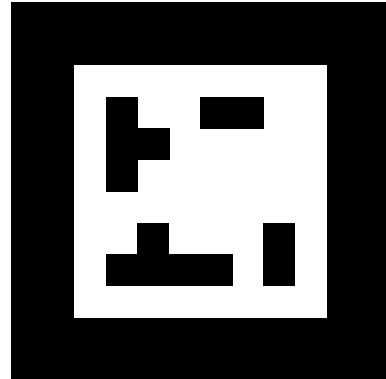
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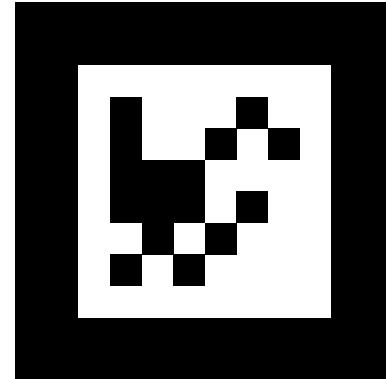
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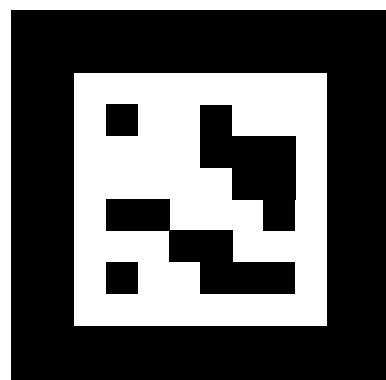
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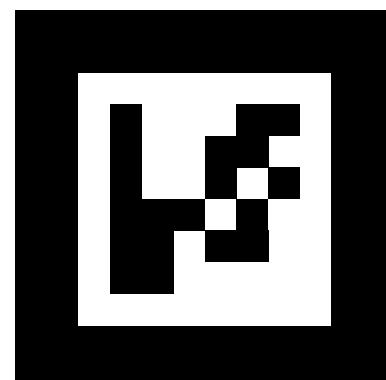
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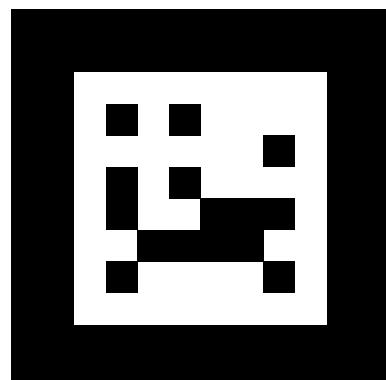
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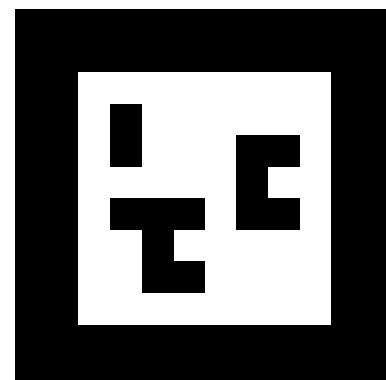
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10



86



18

post transition metal

Ga

31

Sn

50

Al

13

In

49

Pb

82

Po

84

Tl

81

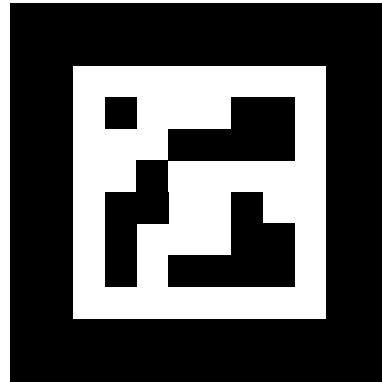
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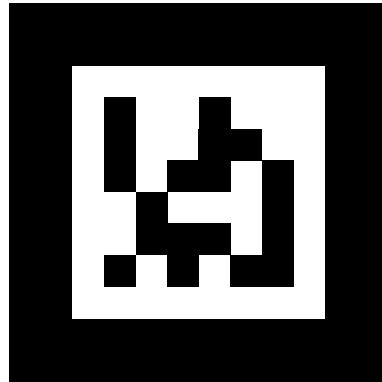
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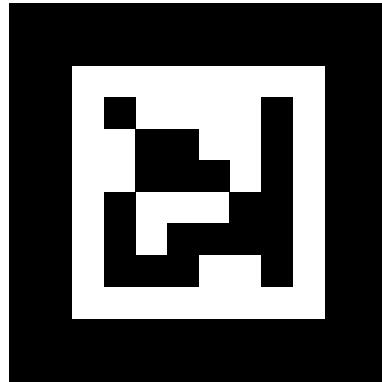




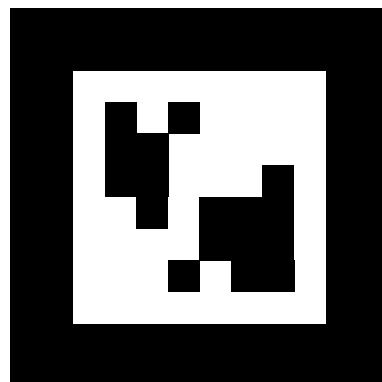
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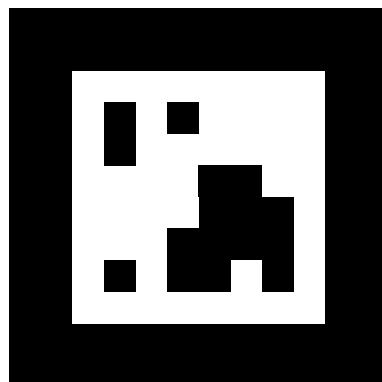
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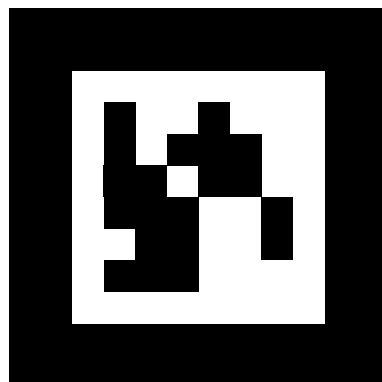
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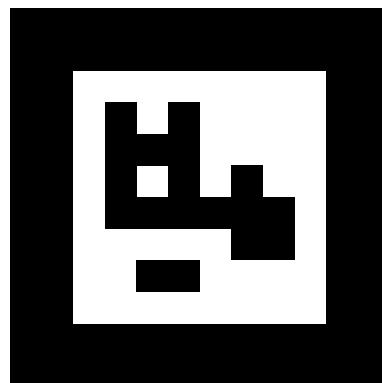
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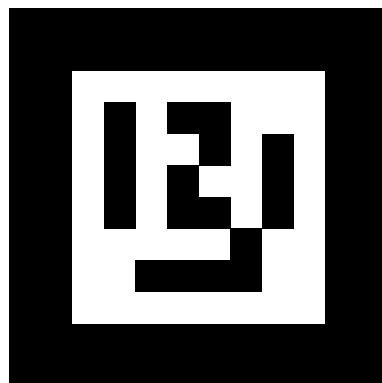
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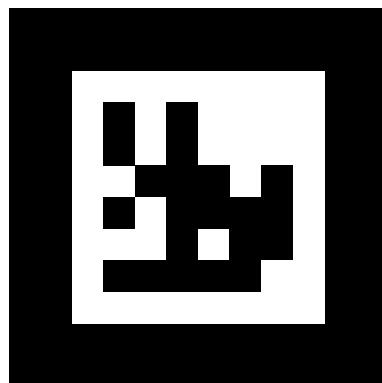
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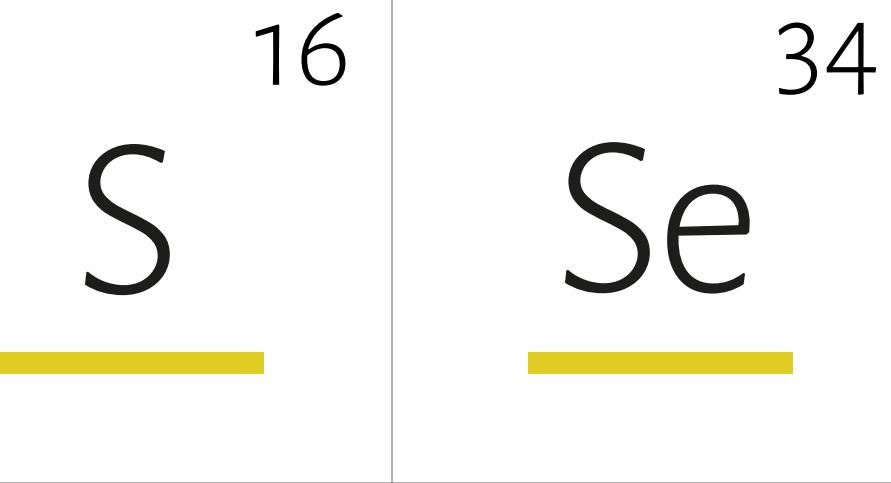
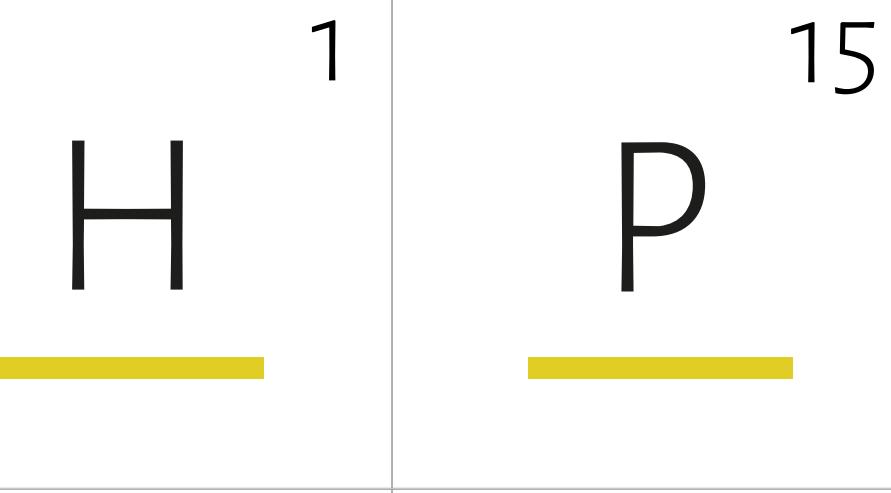
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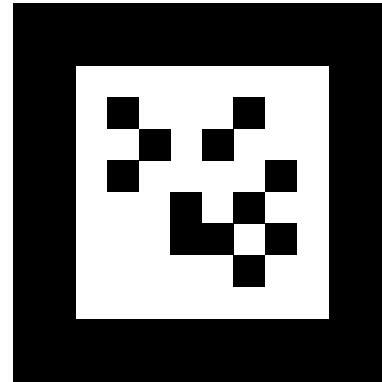
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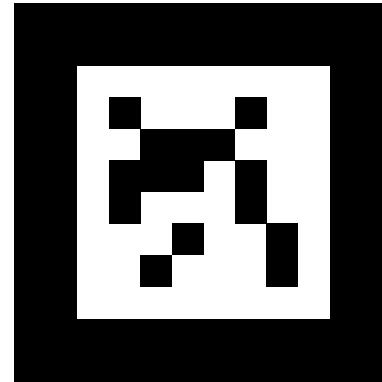
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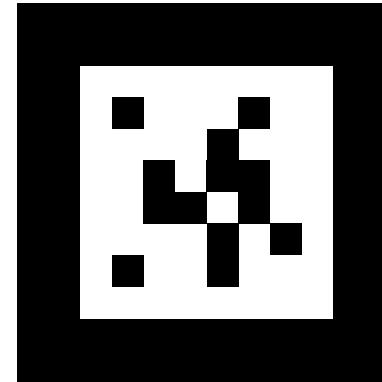
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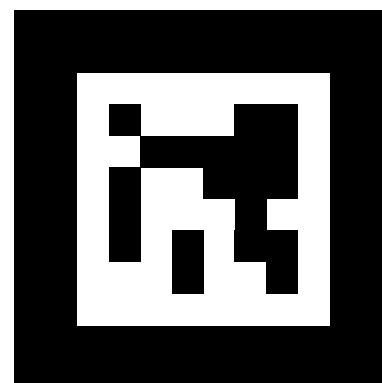
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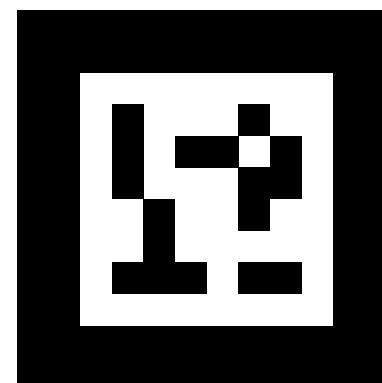
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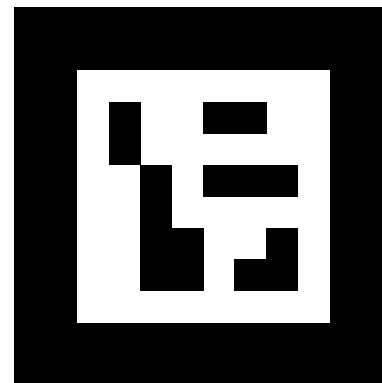
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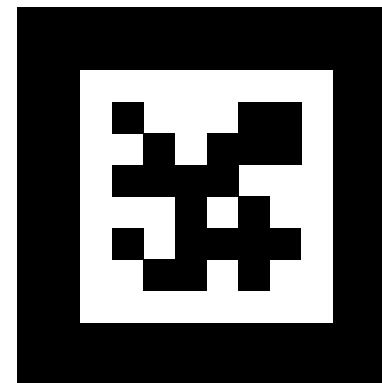
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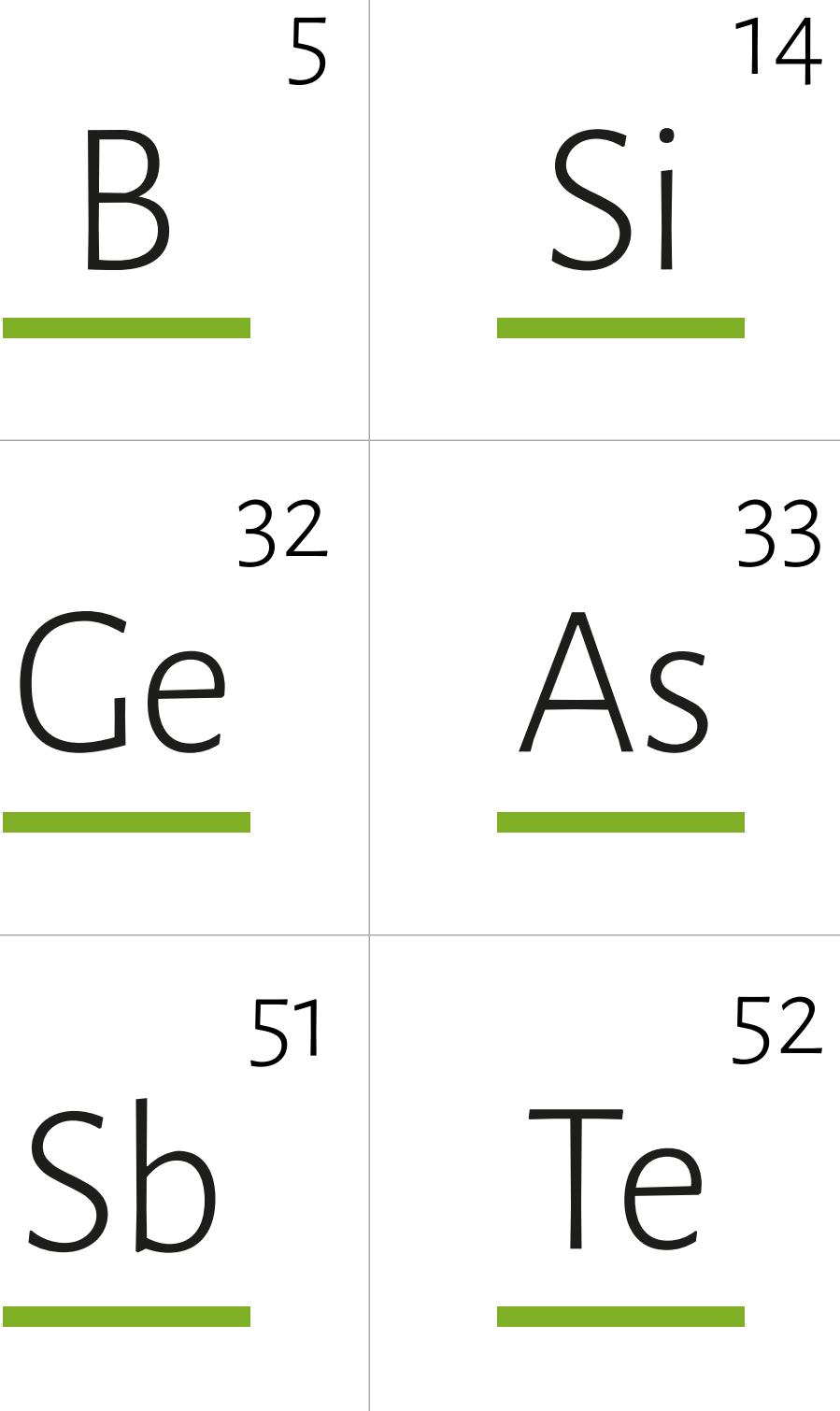
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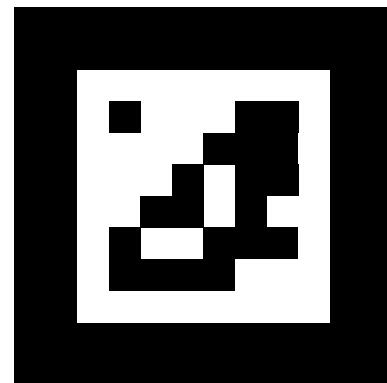
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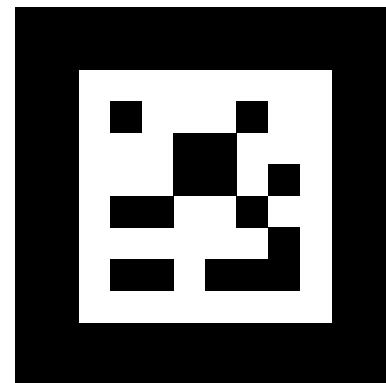
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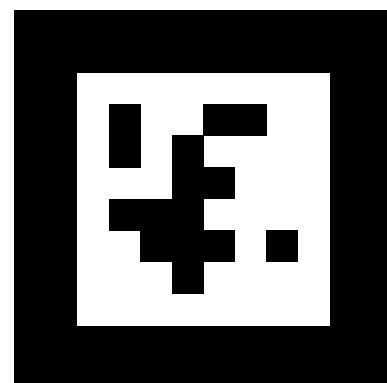
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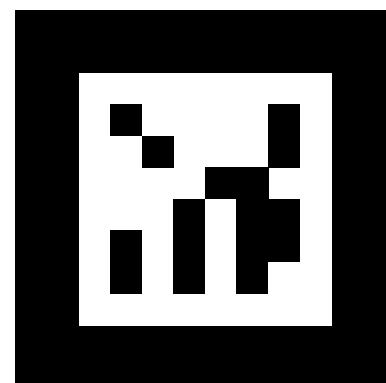
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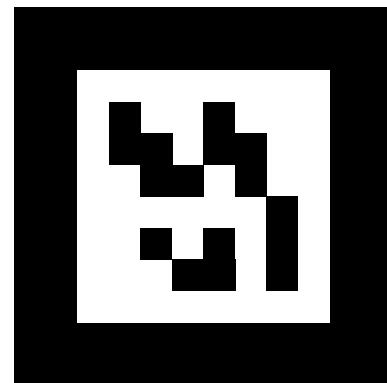
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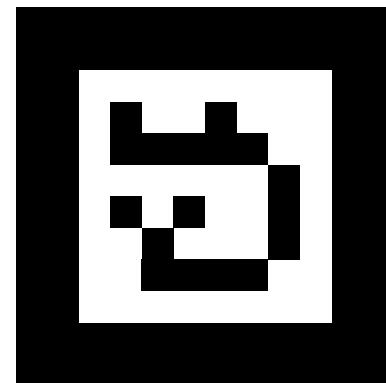
33



32



52



51

La



57

Ce



58

Pr



59

Nd



60

Pm



61

Sm



62

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63

Gd



64

Tb



65

Dy



66

Ho



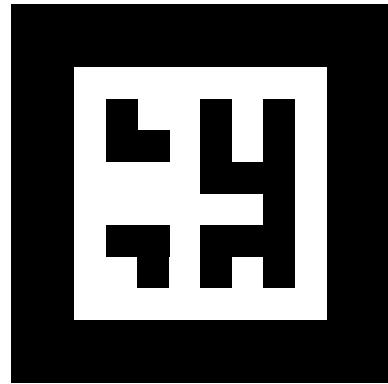
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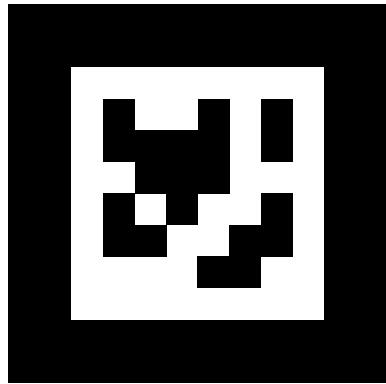


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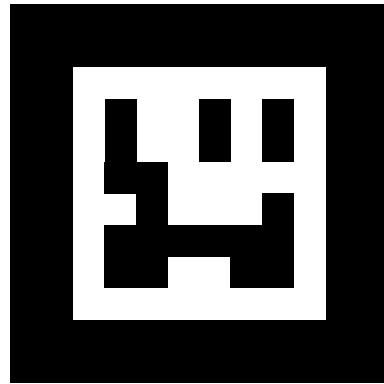
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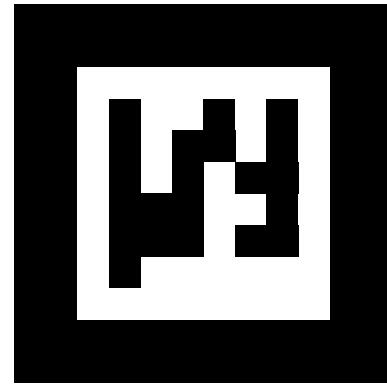
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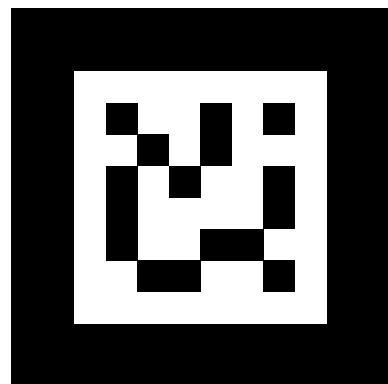
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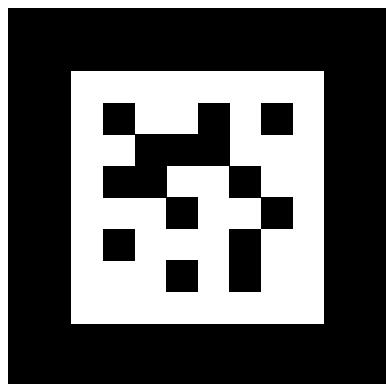
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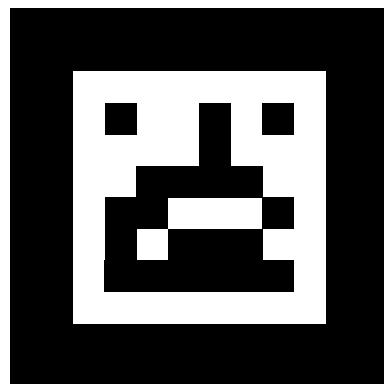
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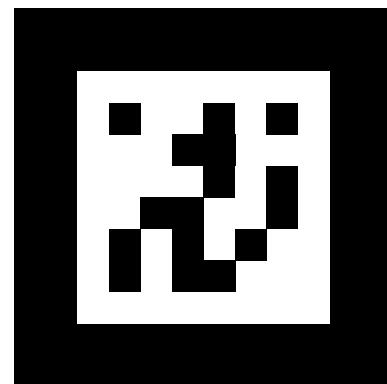
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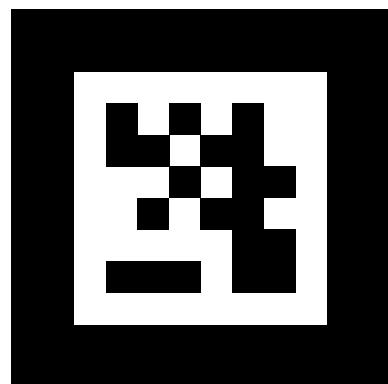
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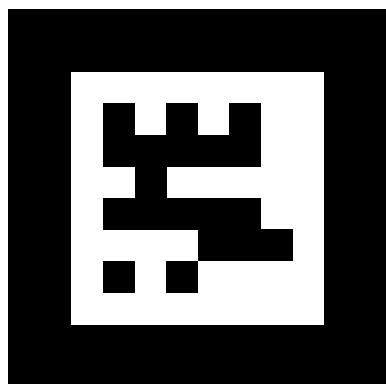
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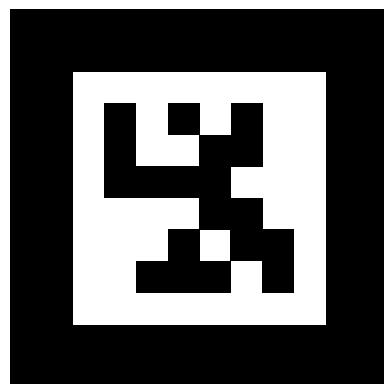
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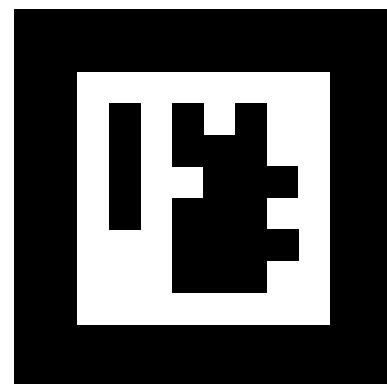
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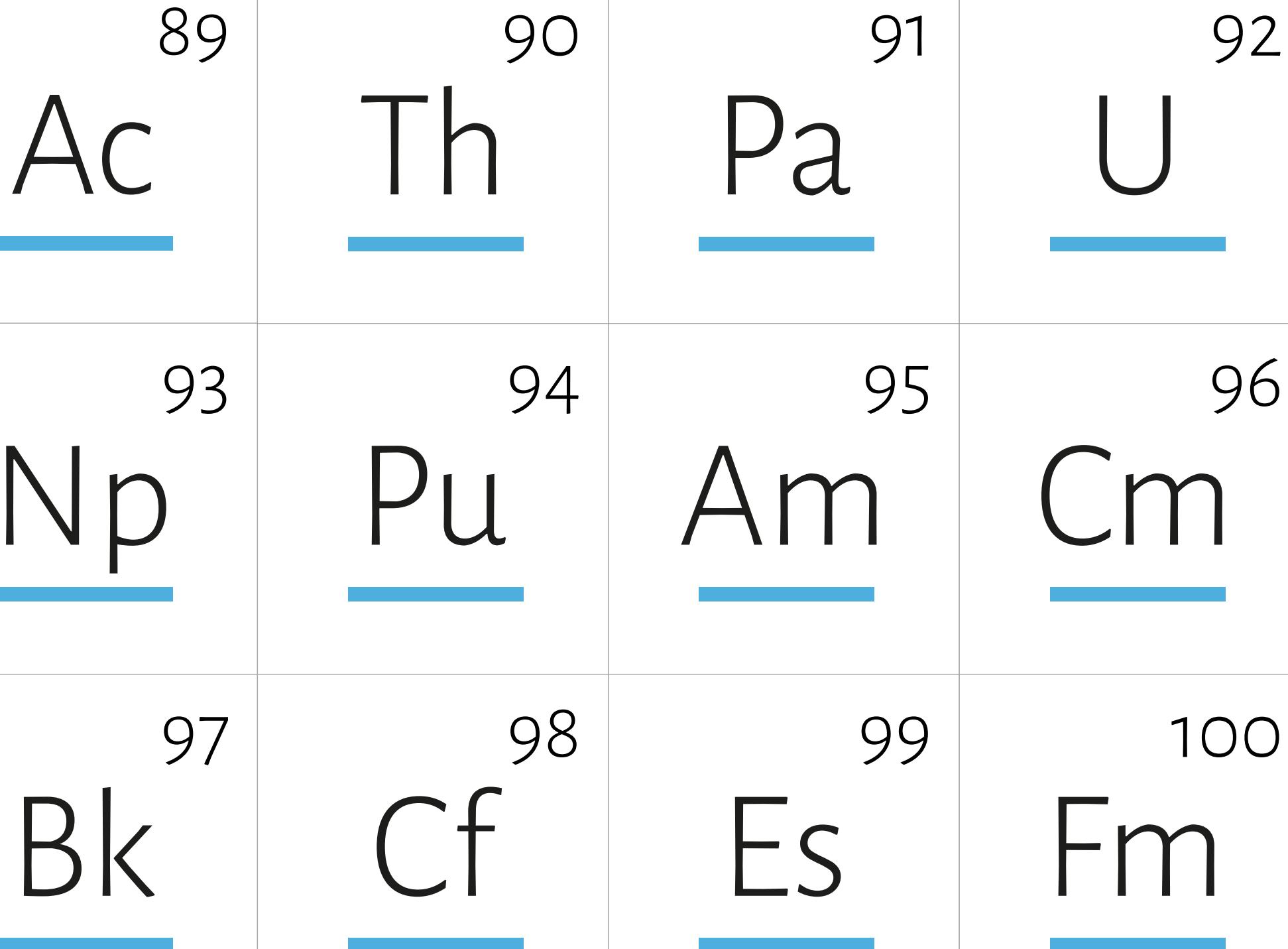
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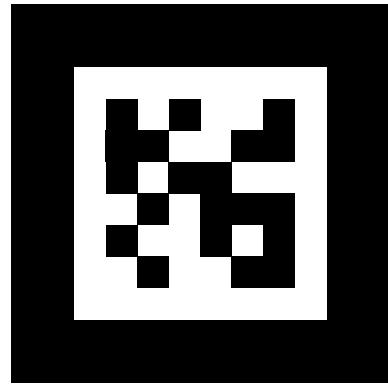


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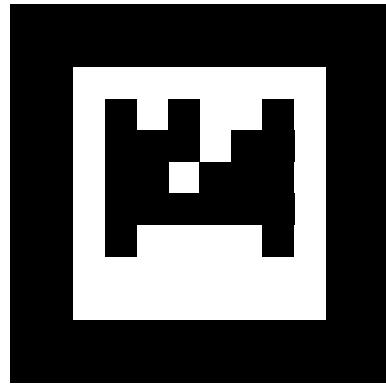


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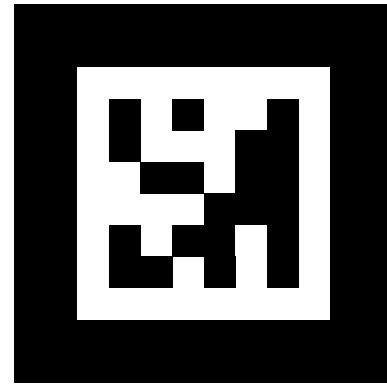




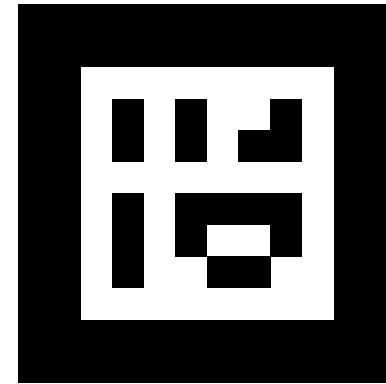
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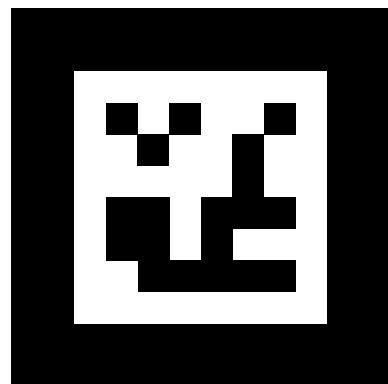
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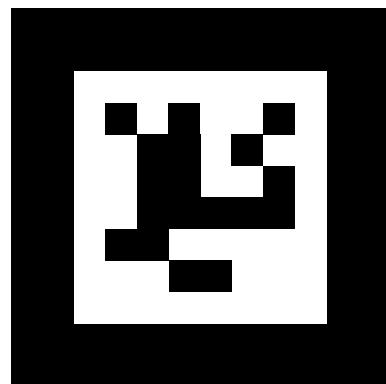
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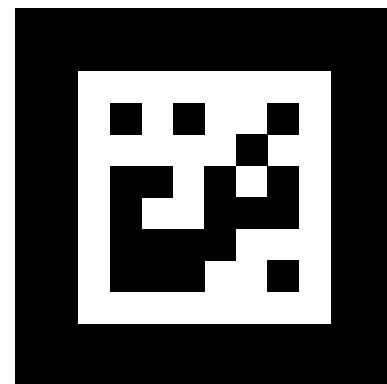
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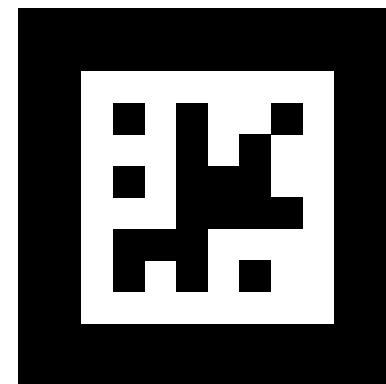
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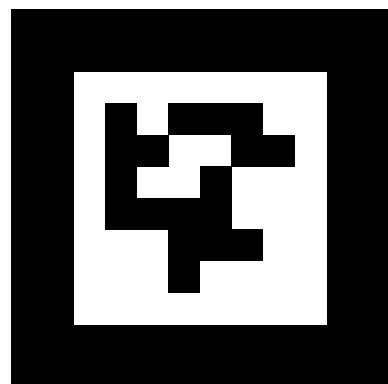
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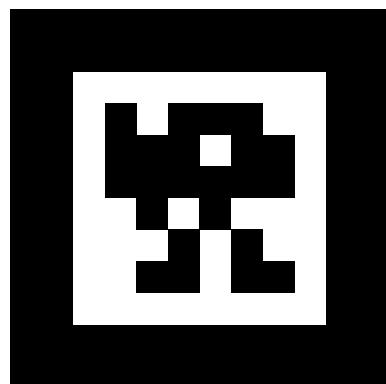
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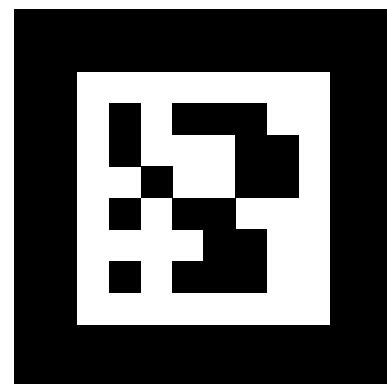
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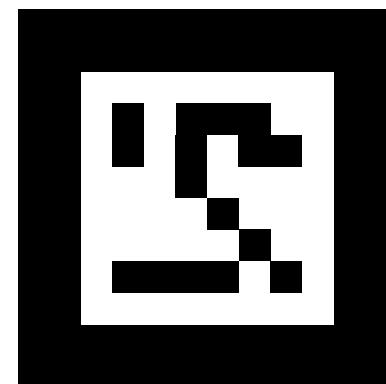
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99



98



97

69

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101

Md

70

Yb

102

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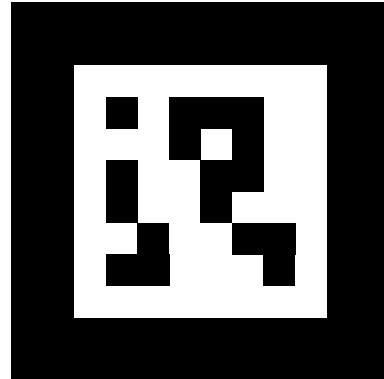
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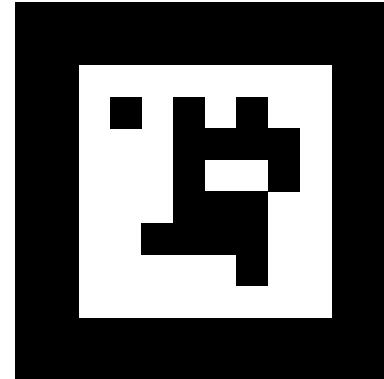
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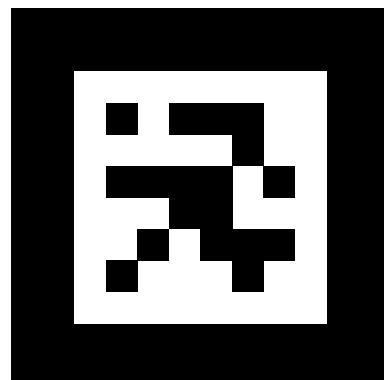
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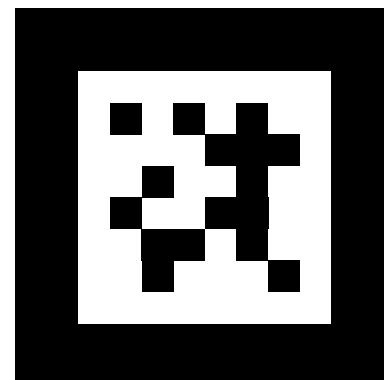
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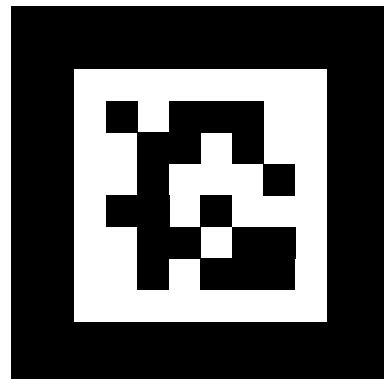
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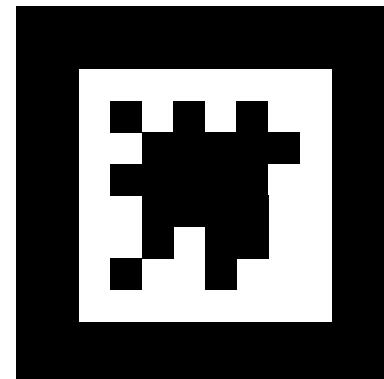
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103



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115

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116

Lv

117

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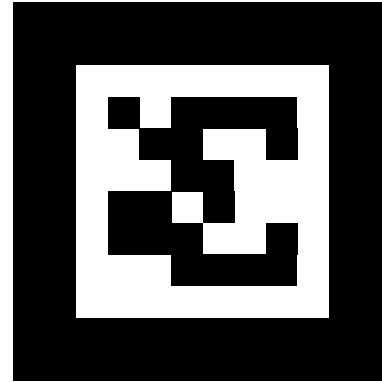
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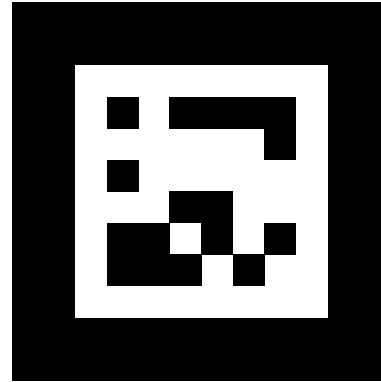
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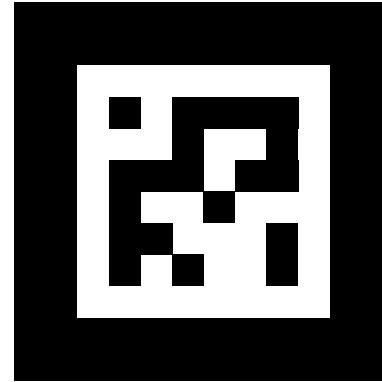
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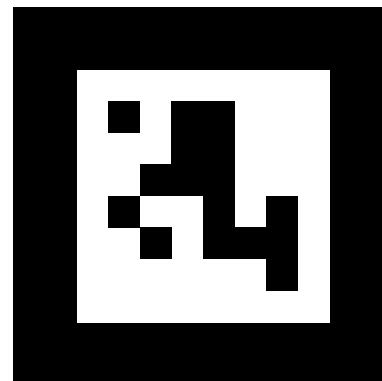
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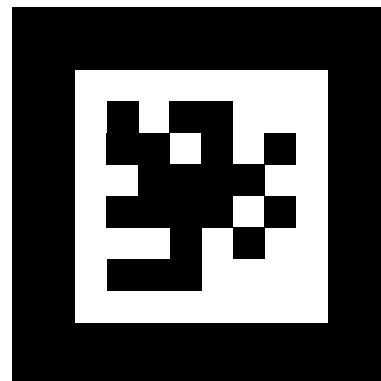
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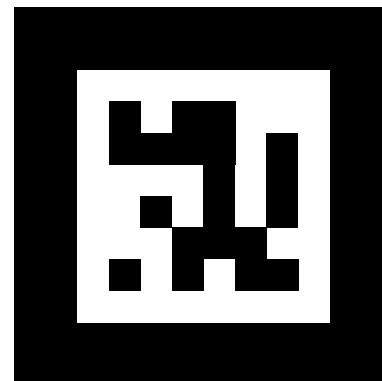
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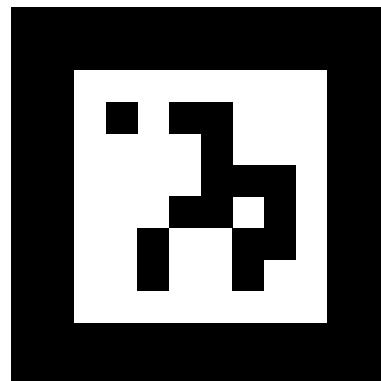
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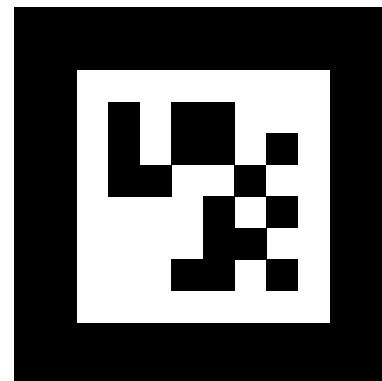
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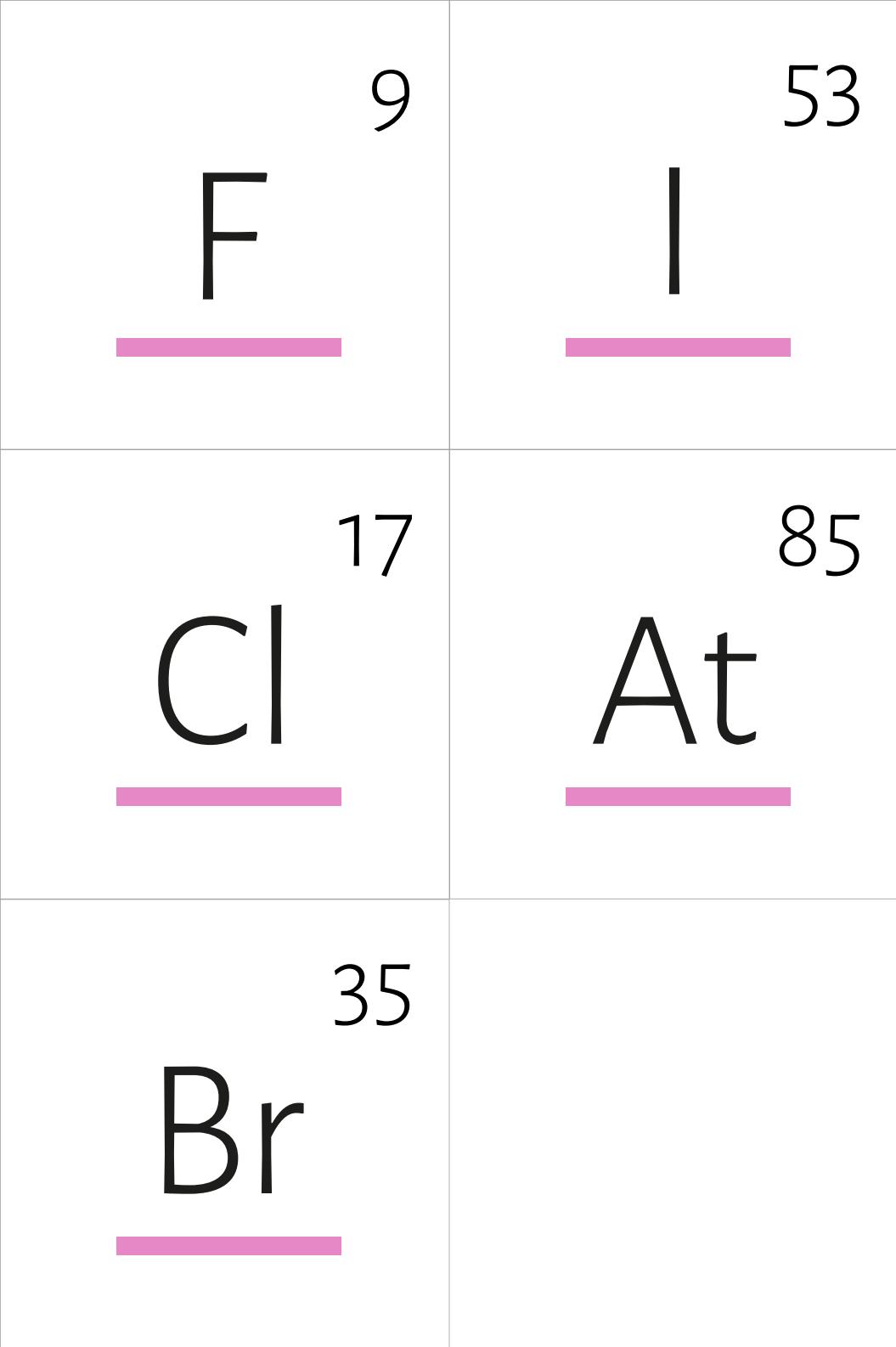
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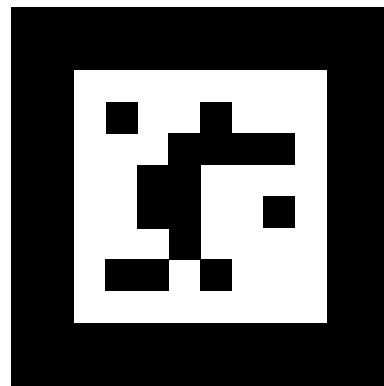


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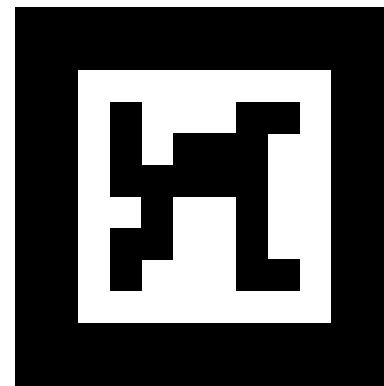


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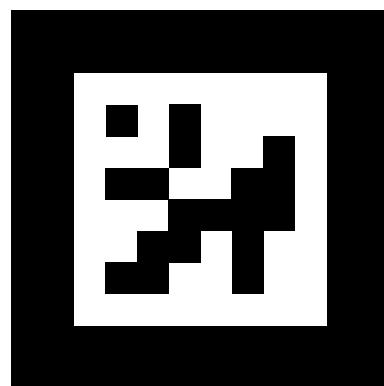




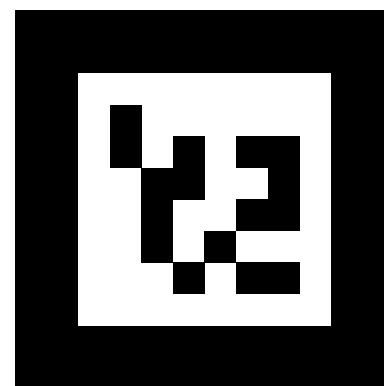
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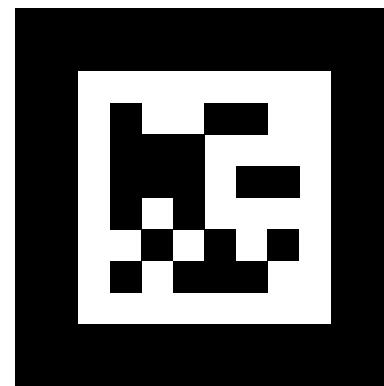
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85



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