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2026 *FIRST*® Robotics Competition

# AprilTag Images and User Guide

## INTRODUCTION

### Overview

This document contains:

- printable images for the 32 AprilTag markers included on the 2026 Playing Field a
- instructions on how to print these tags, and verify that they have printed correctly
- general info about applying them to team-version field elements. For specific information about tag location for each team element, see the instructions for the specific element.

As an alternative to printing tags, Swyft Robotics is offering each team a full set of matte vinyl tag stickers via a voucher in the Virtual Kit (teams pay shipping only). To redeem your voucher, visit [swyftrobotics.com/voucher](https://swyftrobotics.com/voucher), add the product to your cart, and then enter the code found in the [FIRST Dashboard](#) of Lead Mentor 1 or 2 in the “Discount code” field during checkout. Teams likely want to attach these stickers to a backing plate of some sort (as described in “Applying tags to team field elements” below) rather than directly to field elements.

### Printing tags

The included tag images should print with appropriate minimum white margins for AprilTag detection on either Letter or A4 paper. Note that the targets on the official field have additional white space, see FE-00083 in the Evergreen Drawings section of the Official Drawing package for more details.

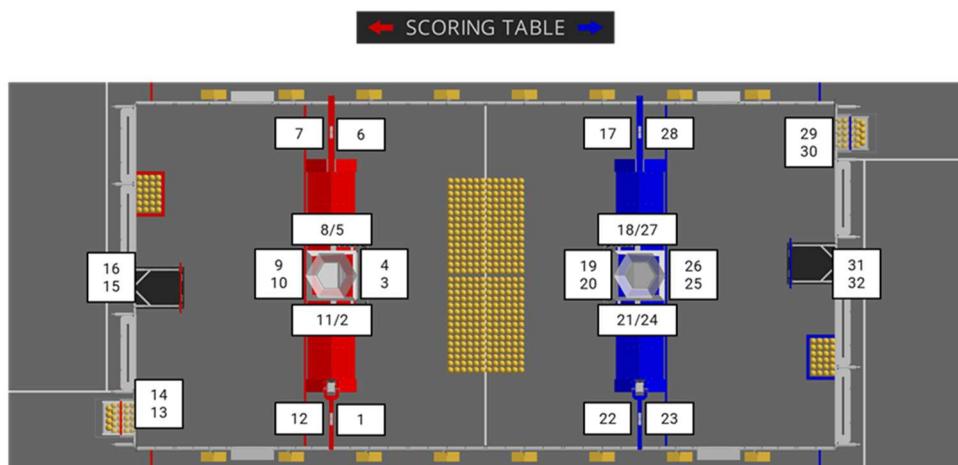
To print the tags, it is recommended, though not necessarily required, to download the document and print using a standalone PDF reader as browsers often re-scale the document and add URLs or other information to the printout. Make sure you set the settings to print at “Actual size”, “Scale: 100%”, or similar option in your application. You can verify that the tag has printed at the correct size by measuring the black box on the printed tag to ensure it is a 6.5in x 6.5in square (16.51cm x 16.51cm)

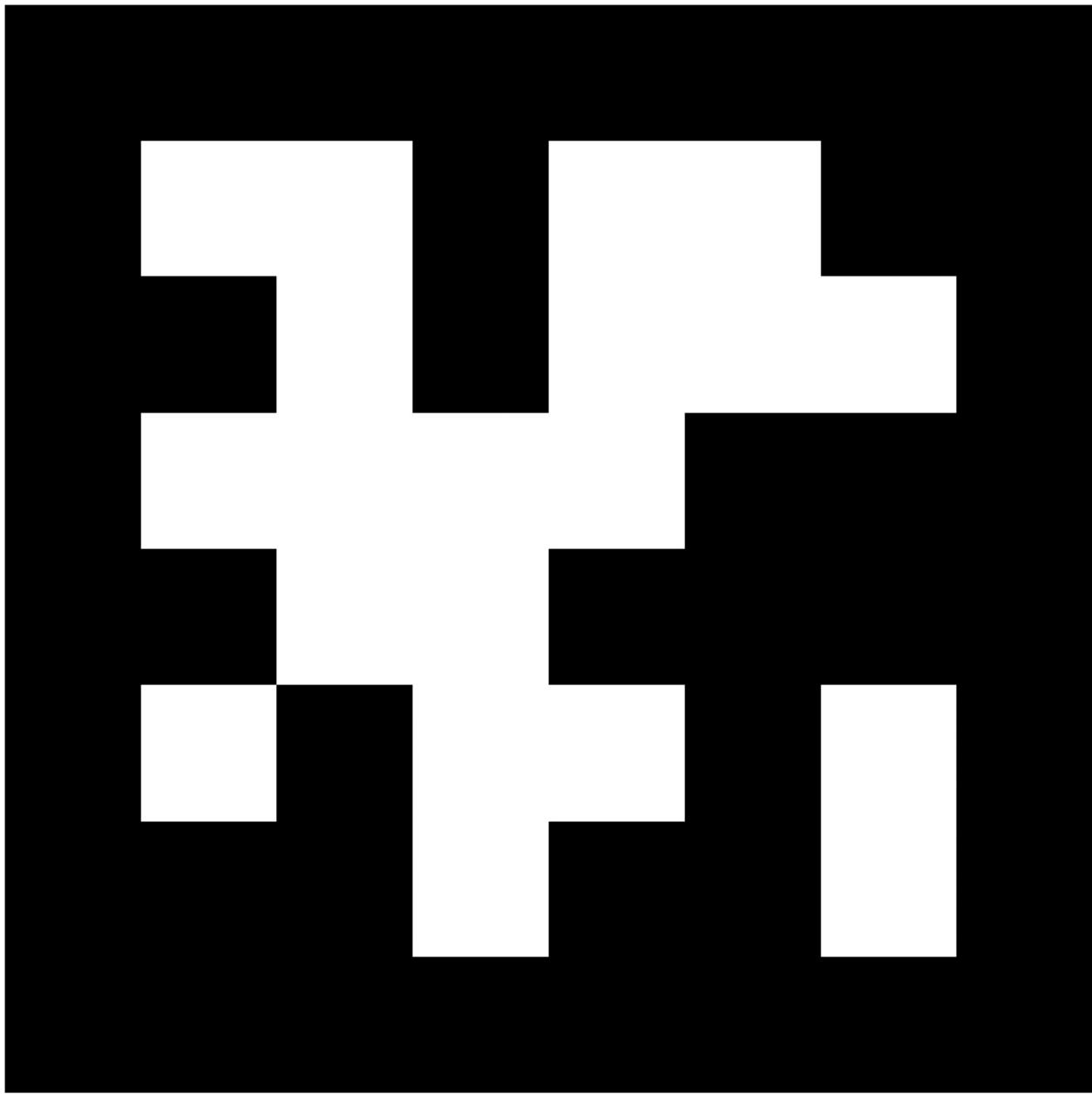
## Applying tags to team field elements

You can apply the printed paper tags directly to the team versions of the field elements. Make sure that the tags remain flat when applied.

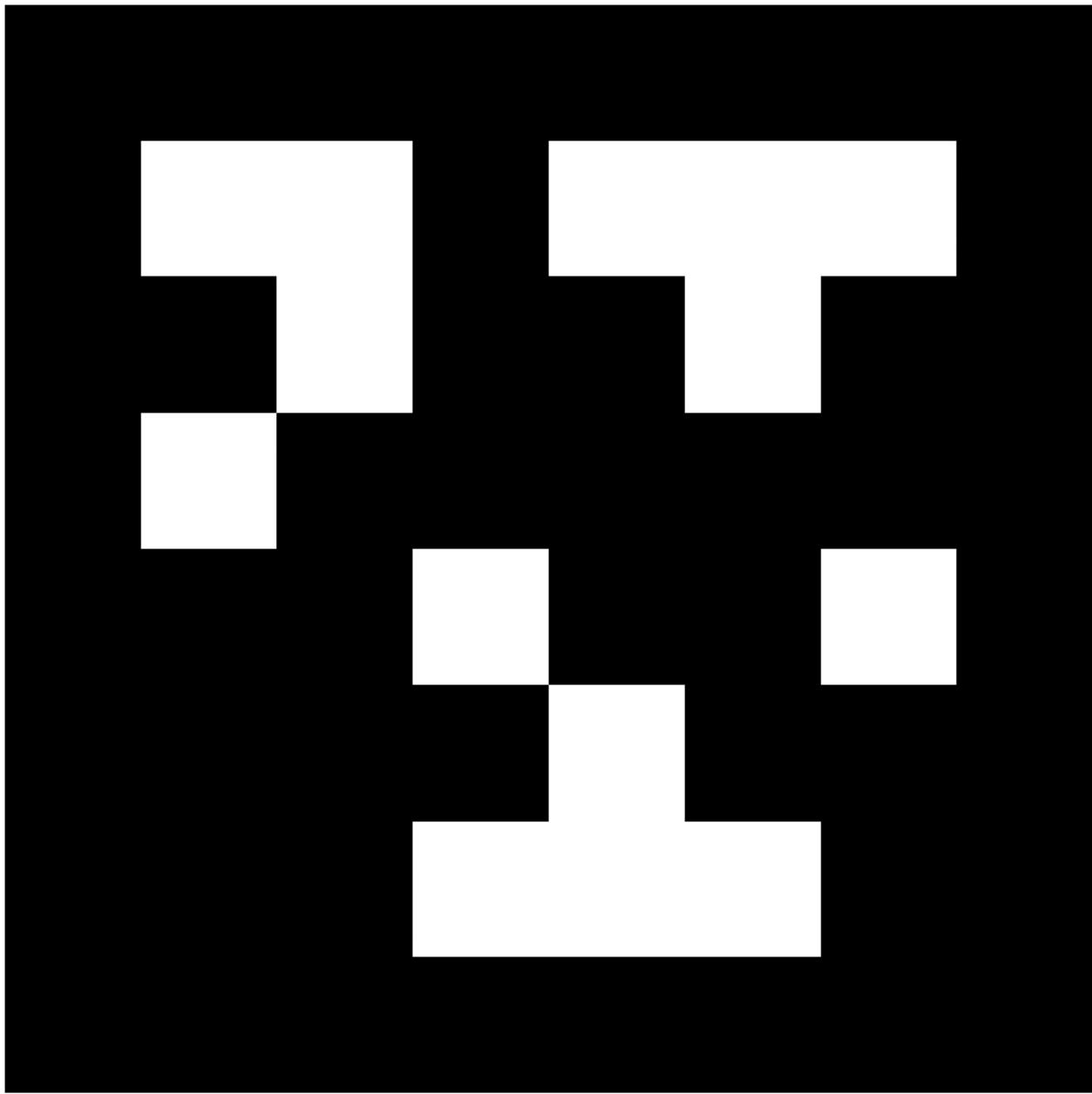
If you wish to be able to swap tags on field elements, apply all tags to a cardboard, hardboard, or similar plate which can attach to the field element using hook and loop, screws, or other fasteners. This will result in significantly less reflections than using a sheet protector or similar plastic sleeve for the paper and will ensure the target stays flat. Note that this may result in slightly different locations of the tag (based on the thickness of the backer and/or fasteners), but this variance is generally going to be within the tolerance of field setup.

A reminder on the location of the various IDs on the field:

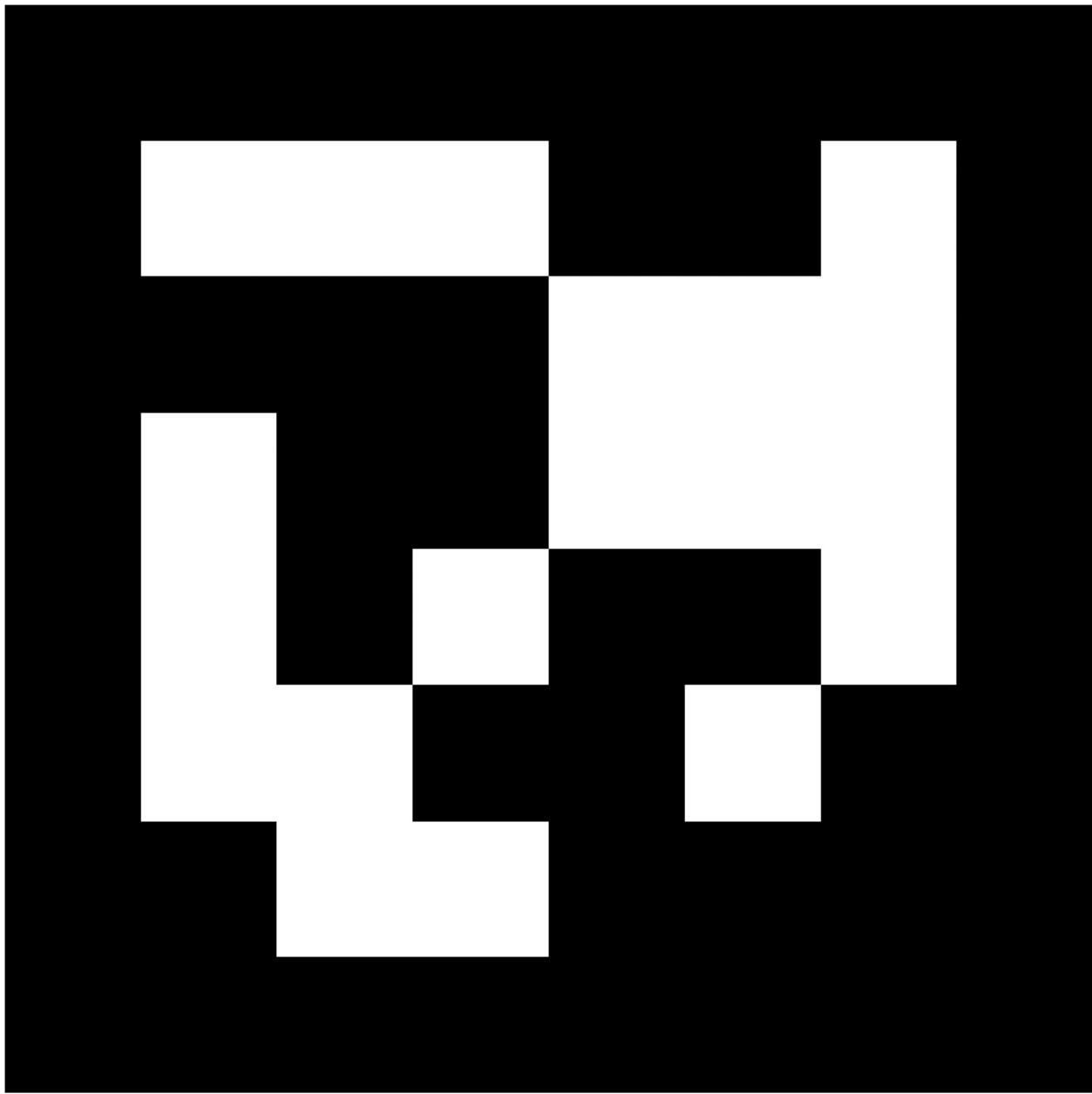




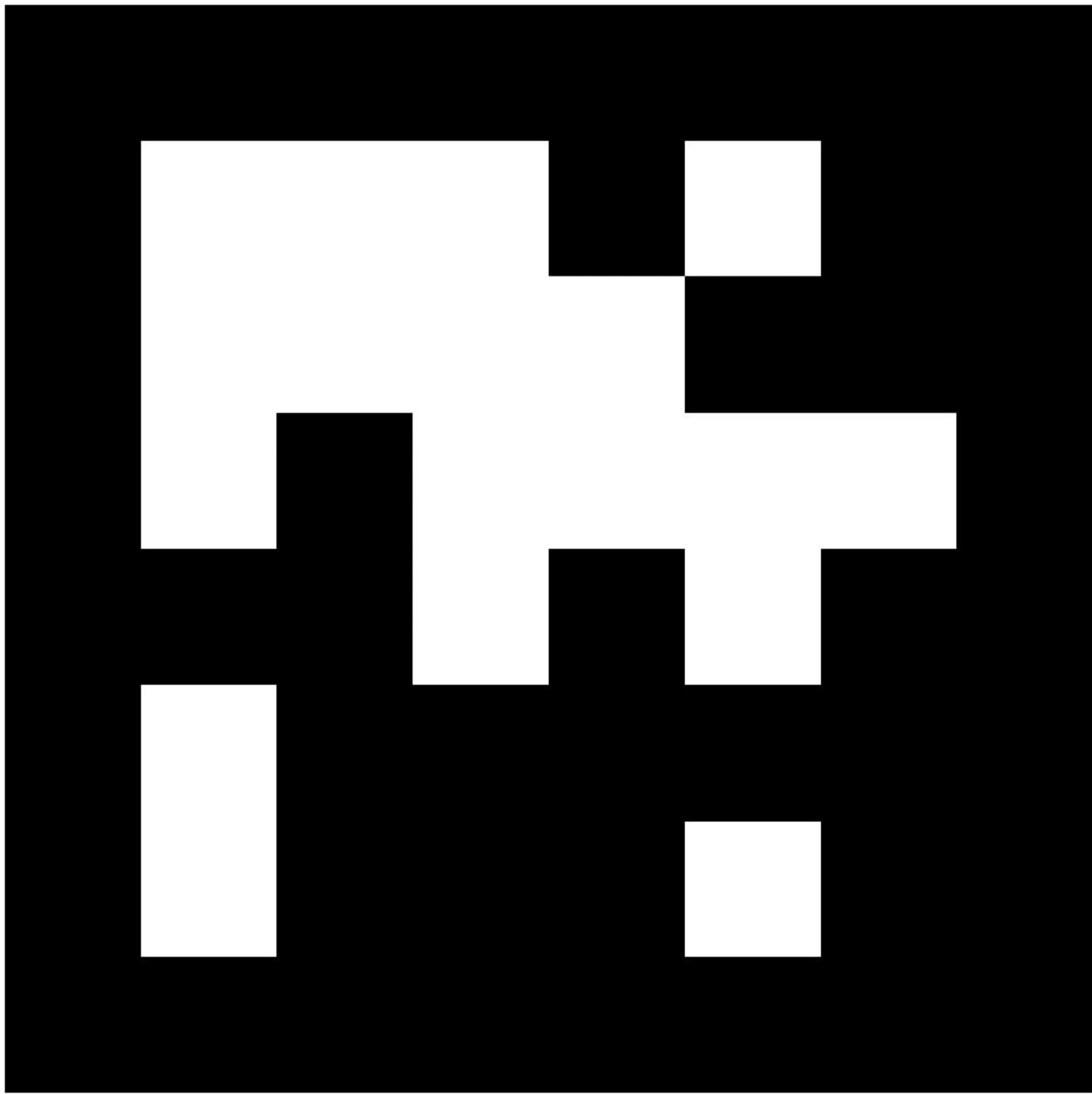
ID 1



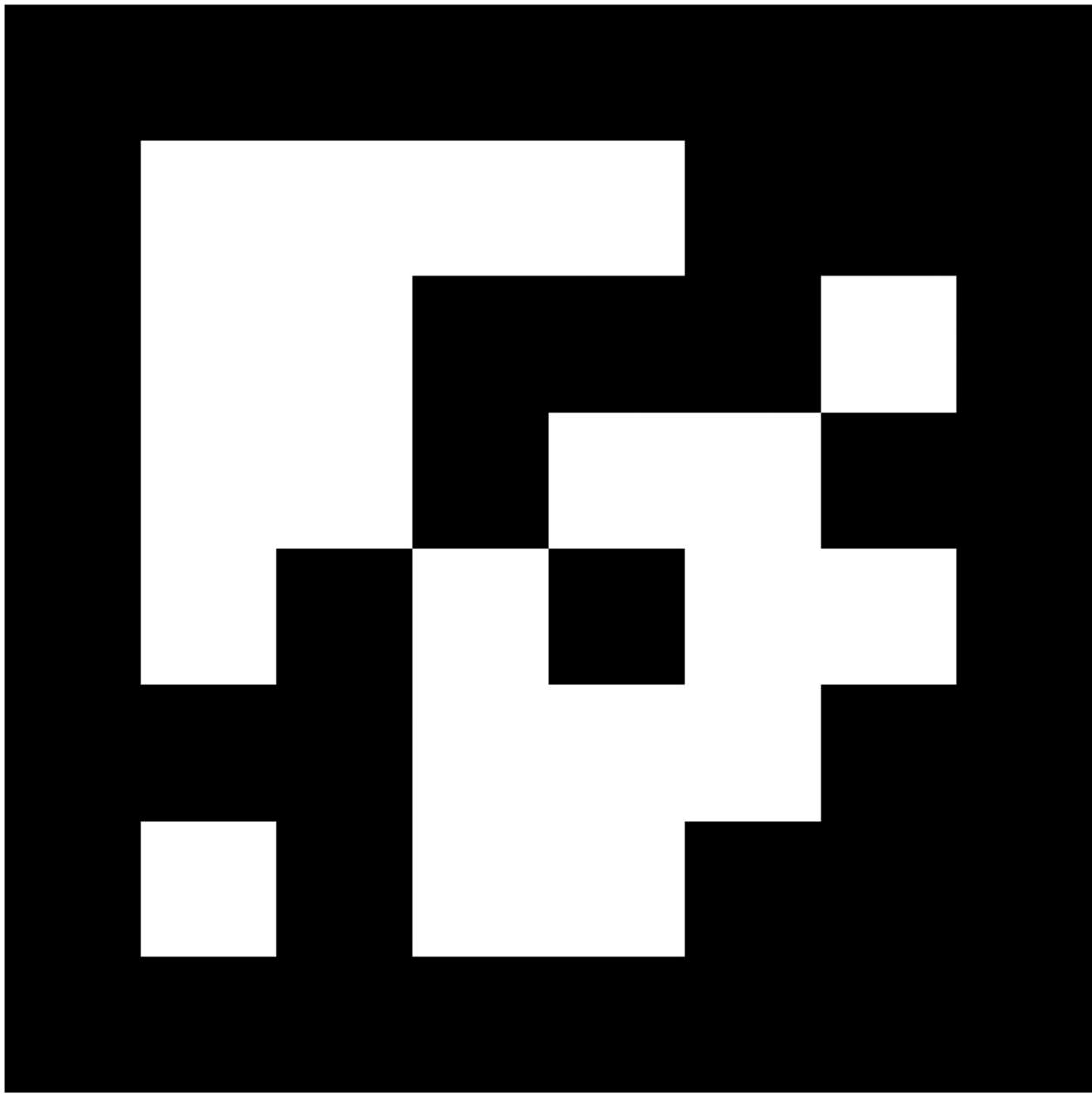
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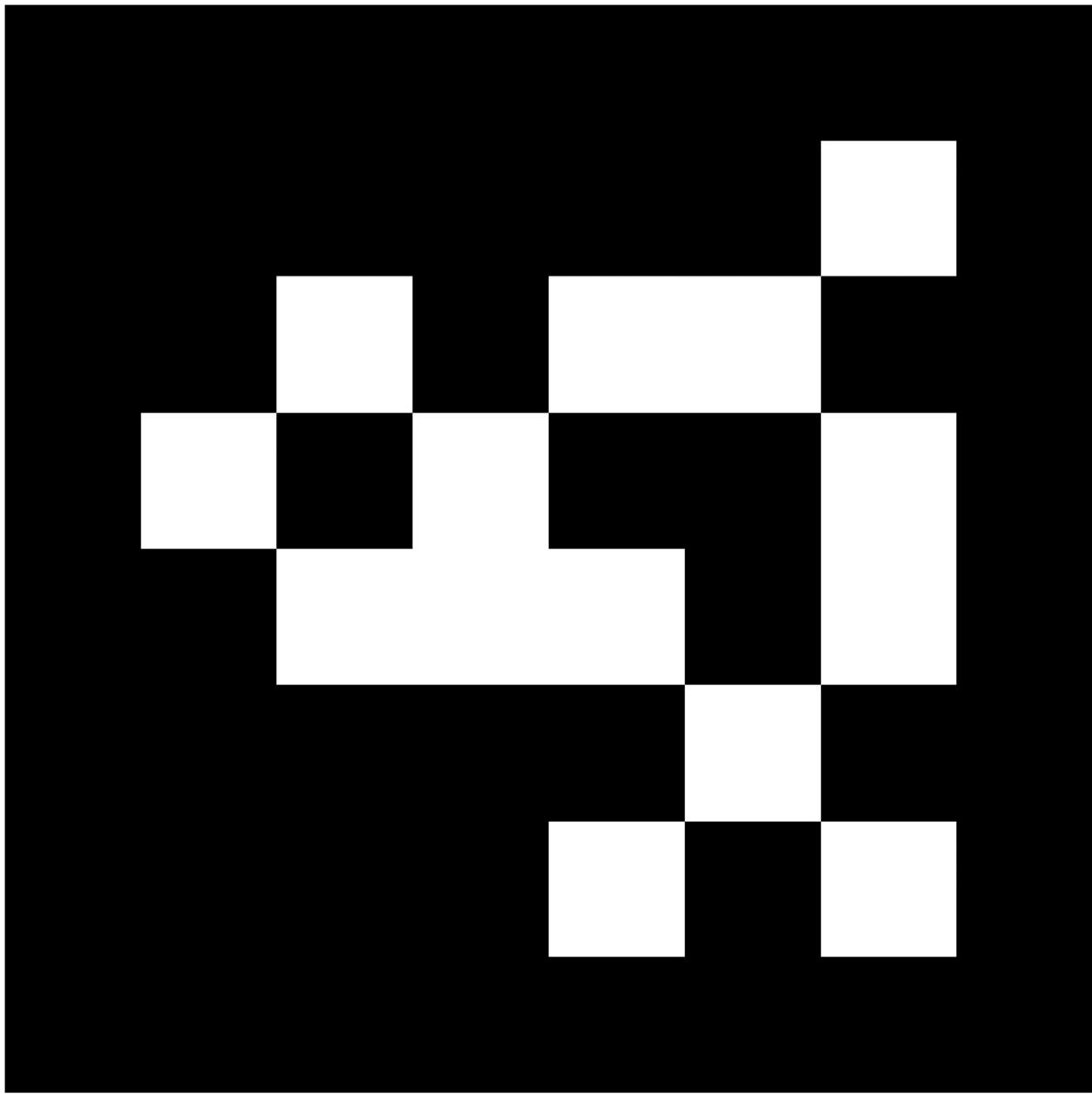
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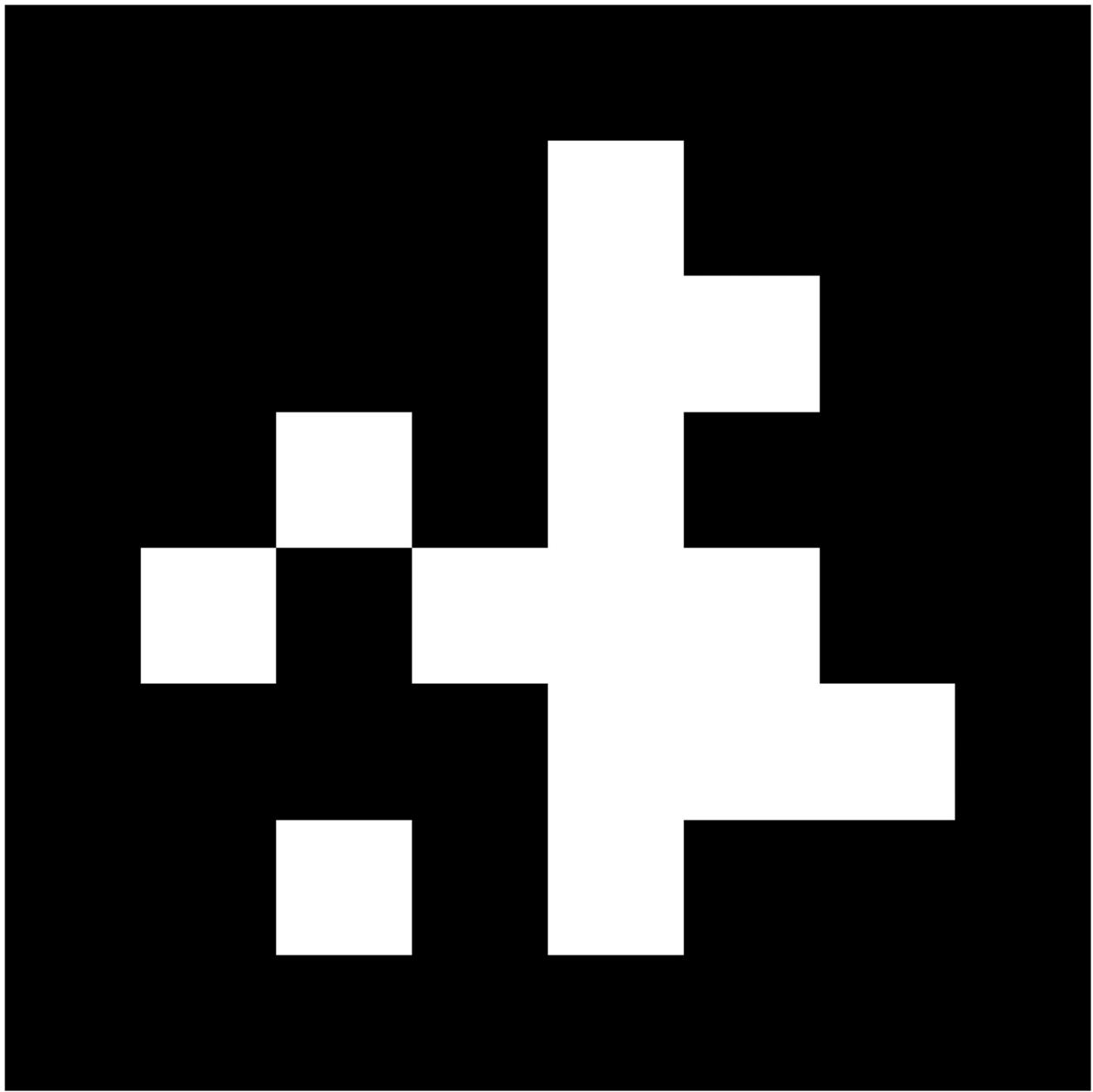
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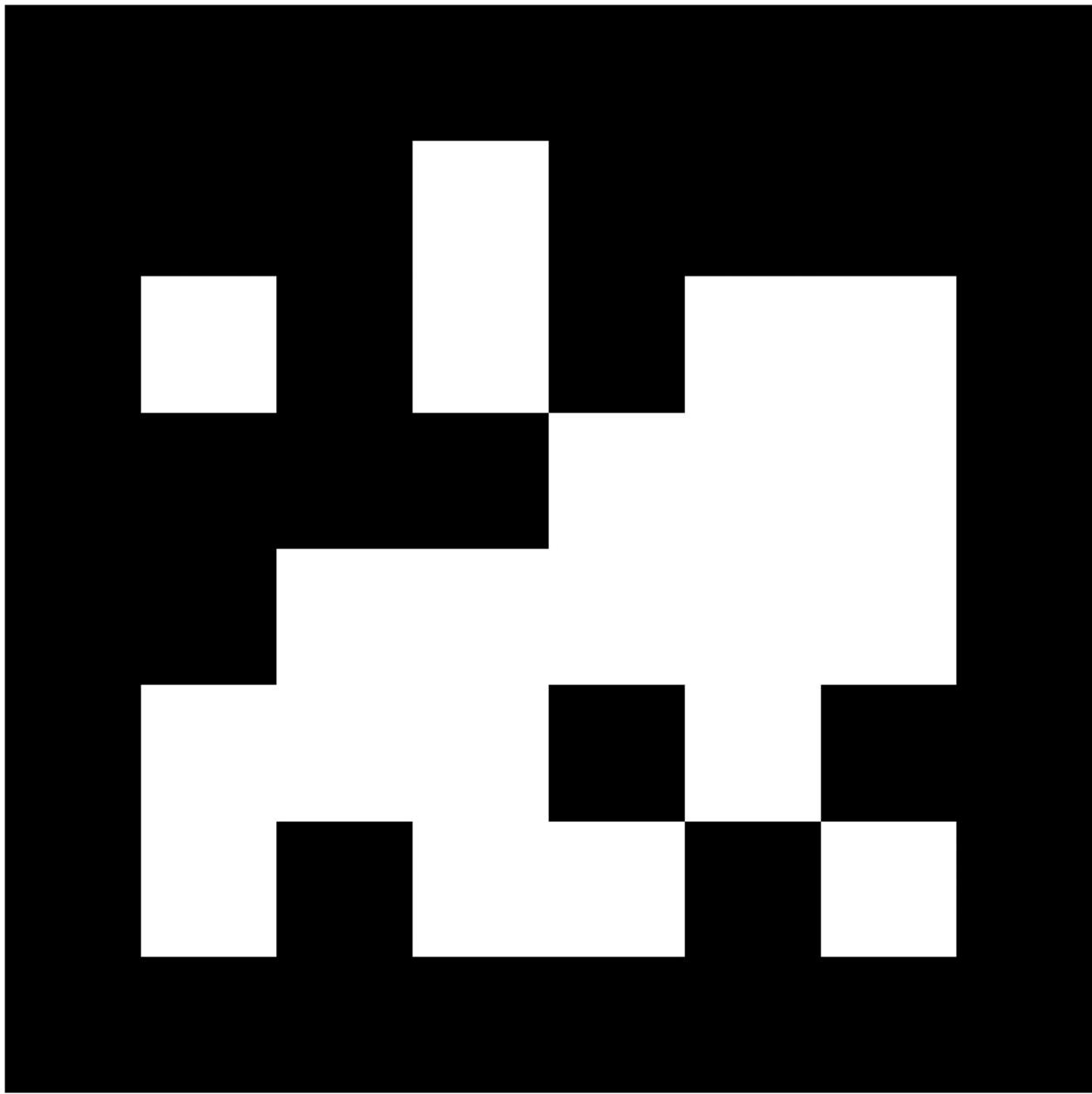
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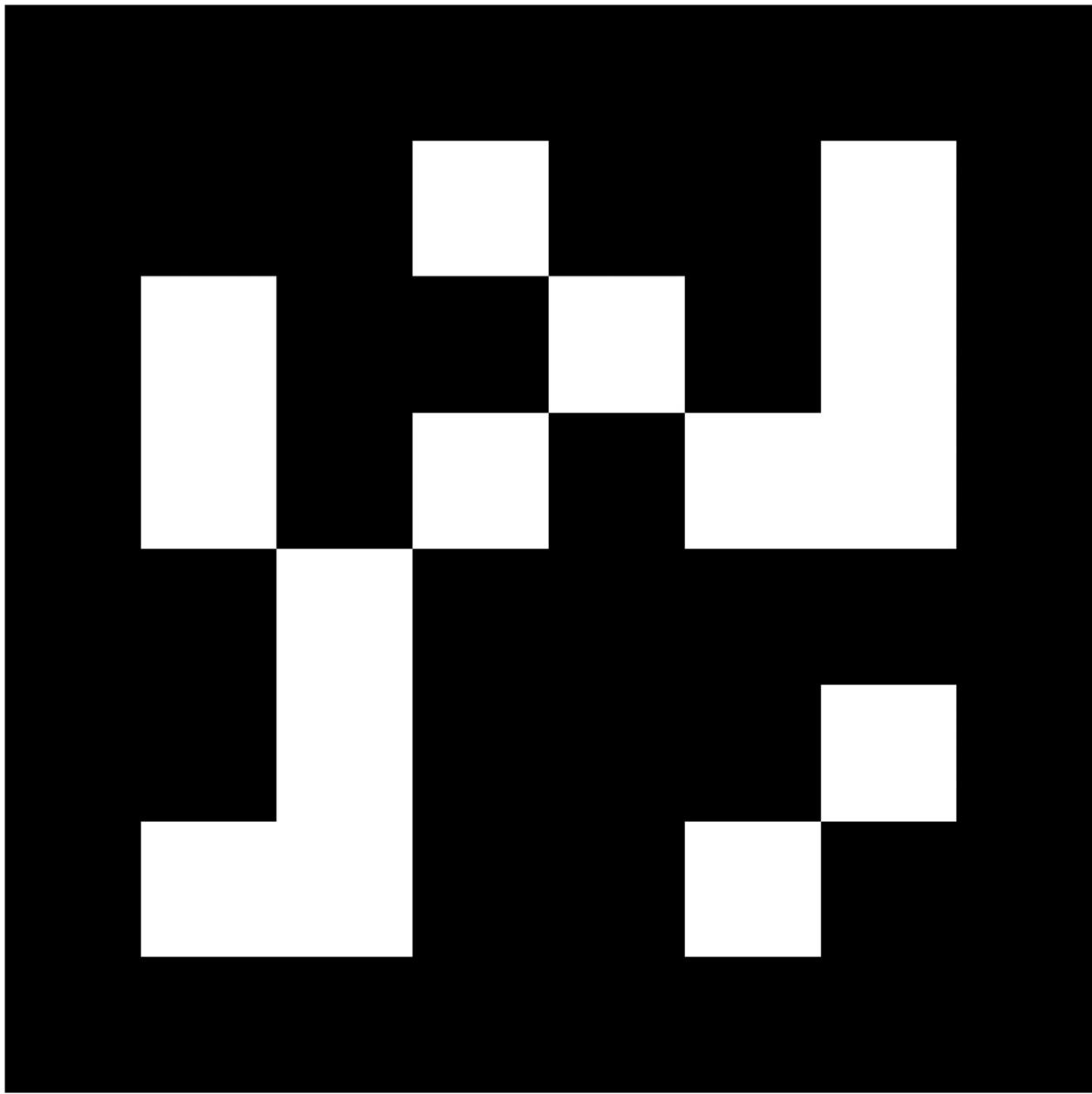
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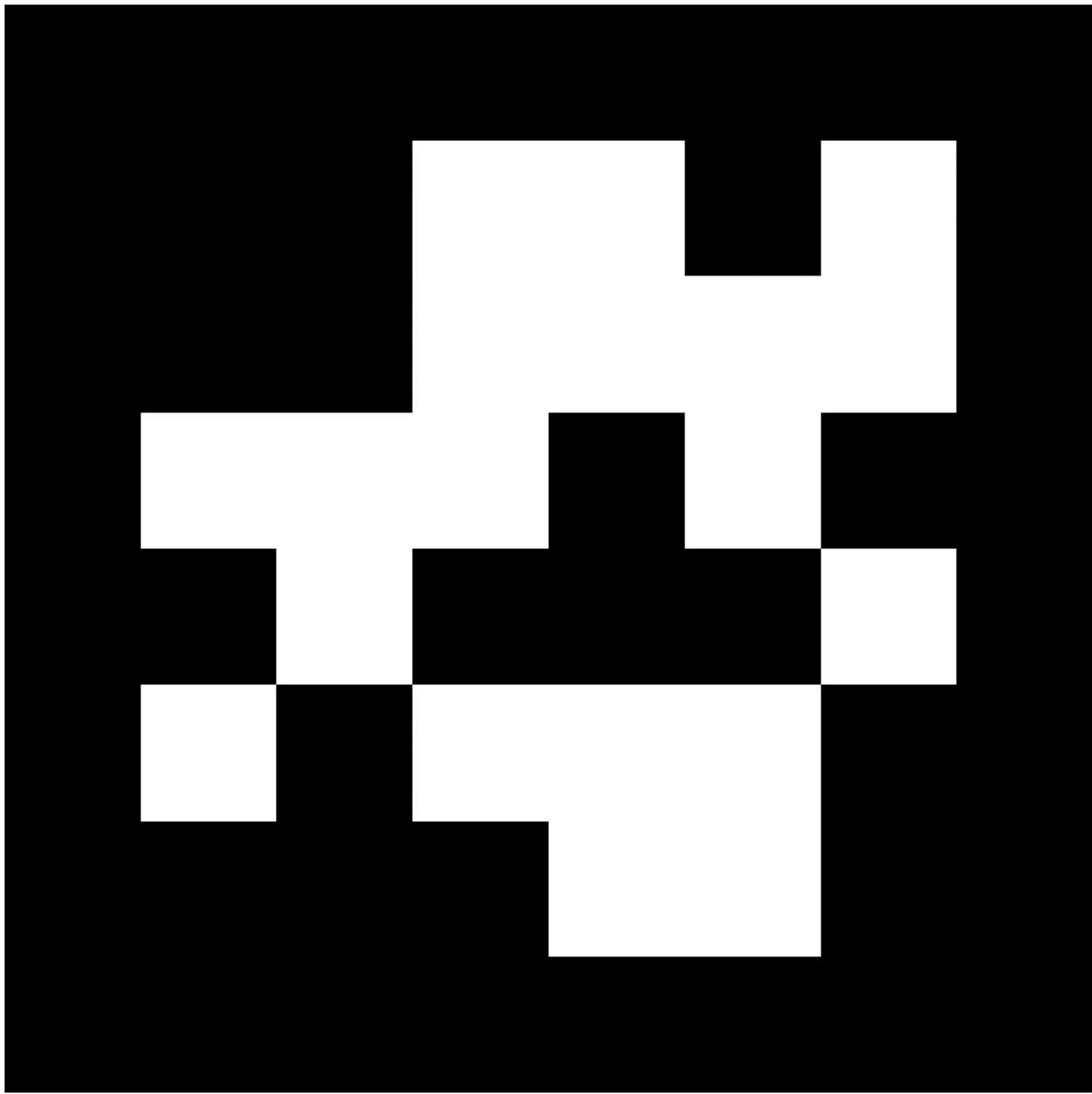
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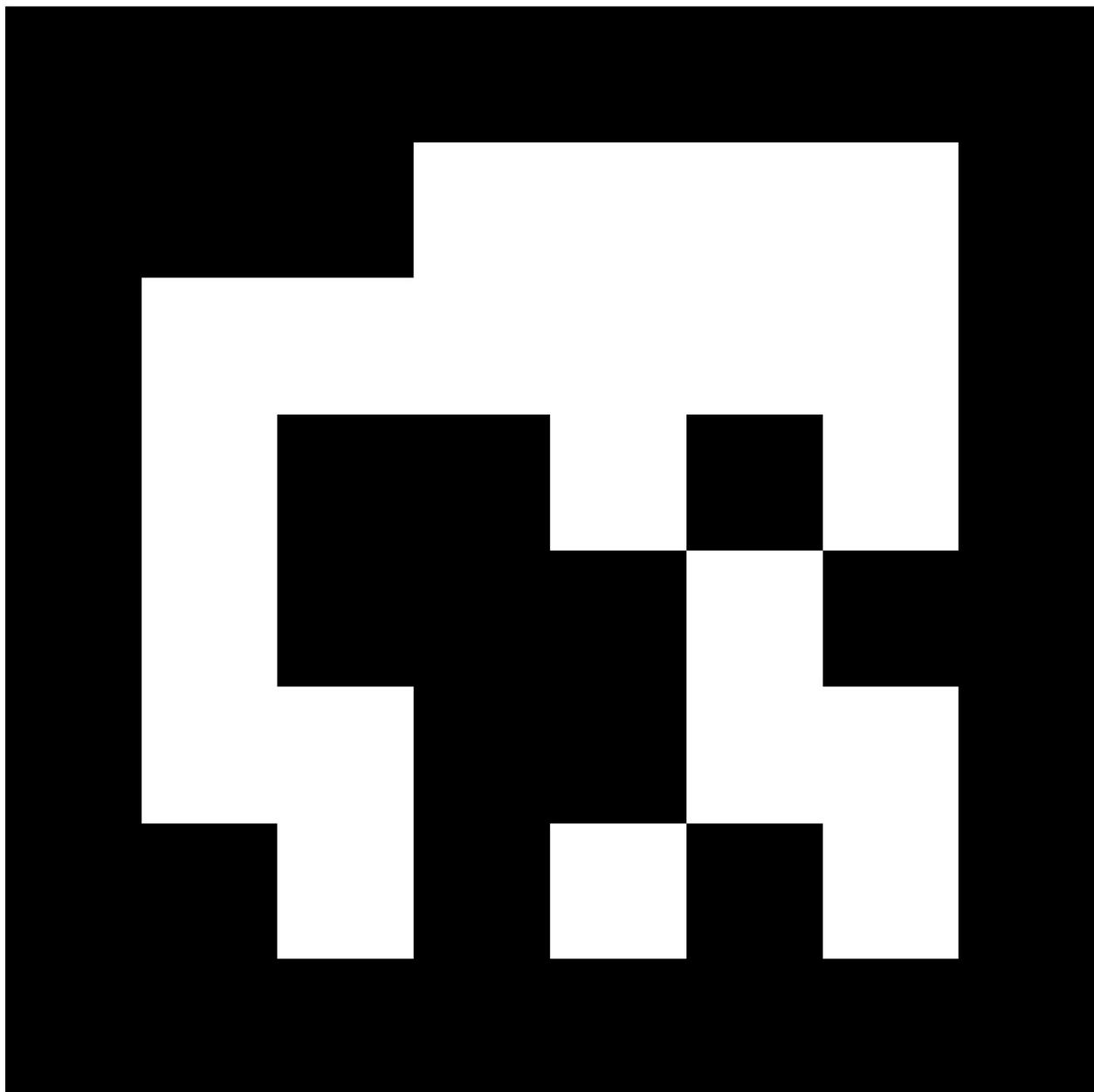
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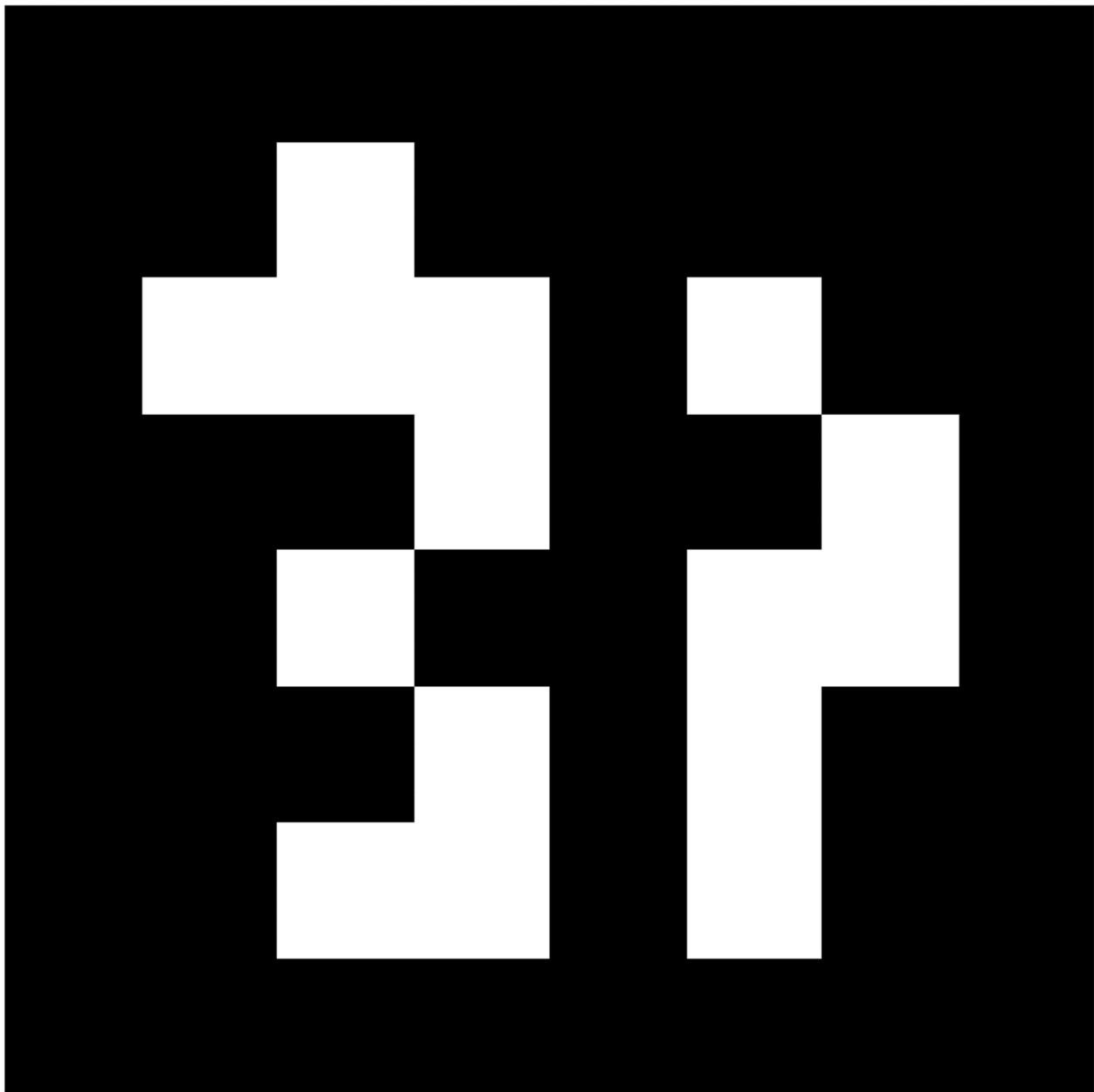
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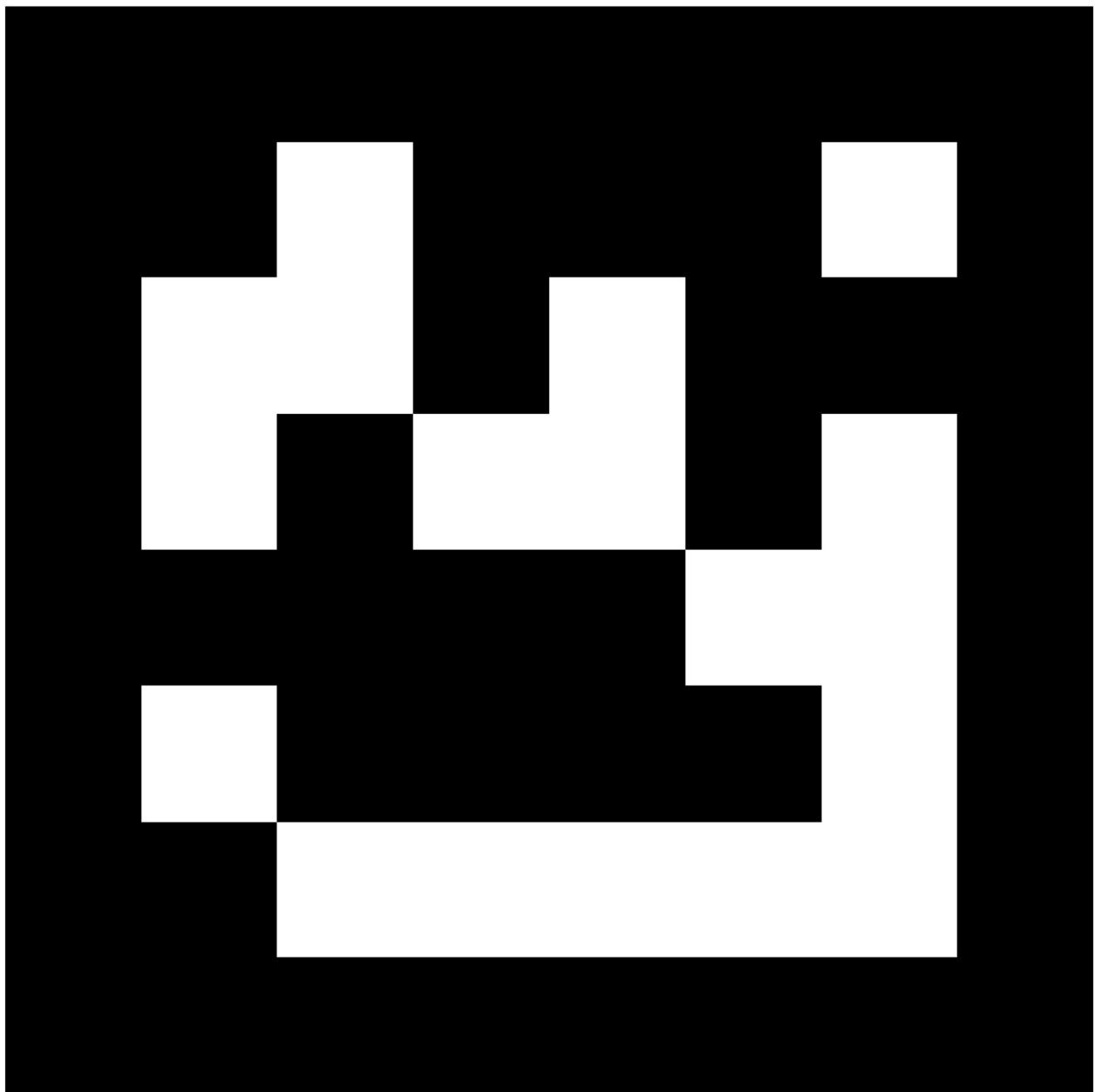
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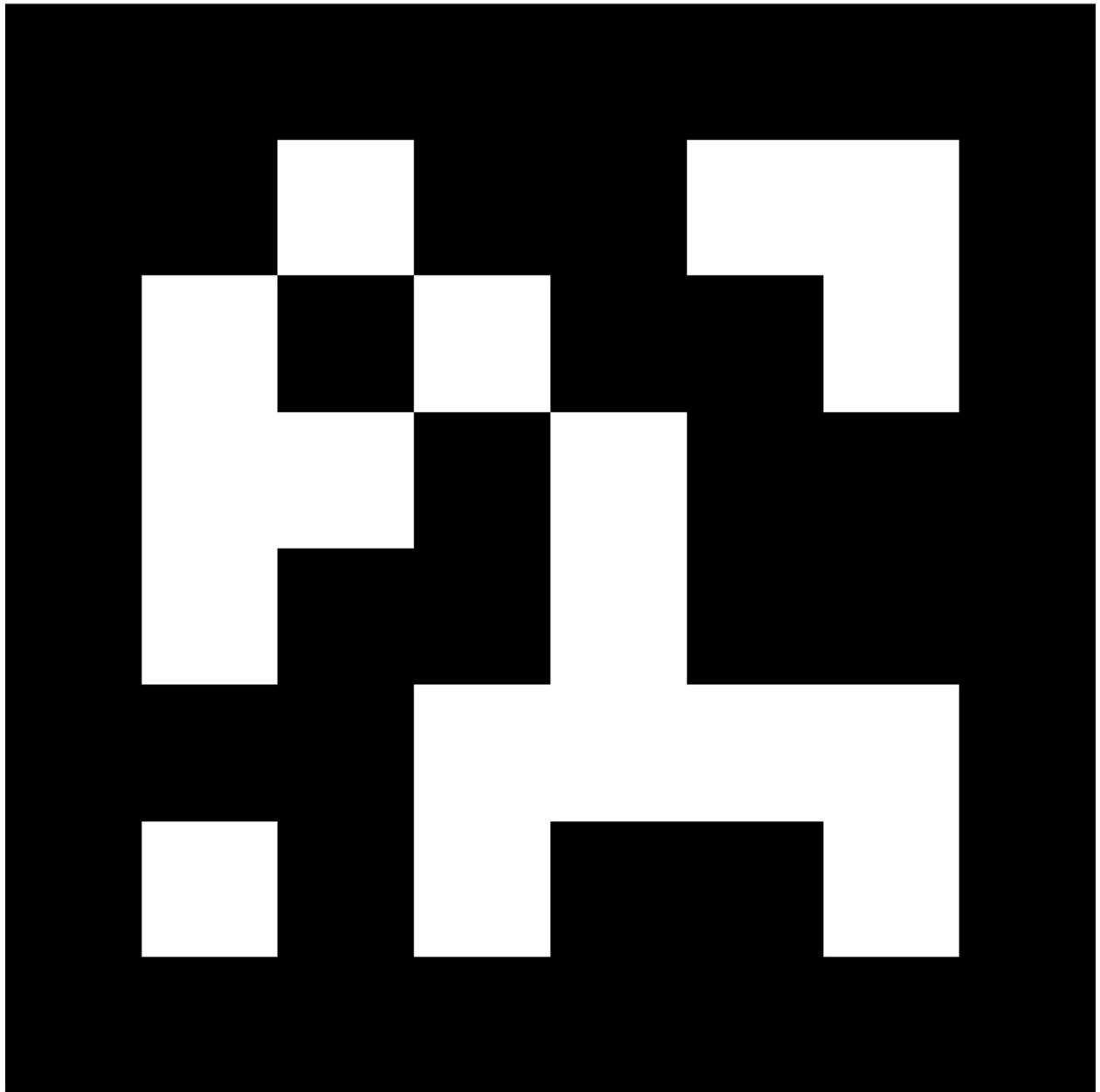
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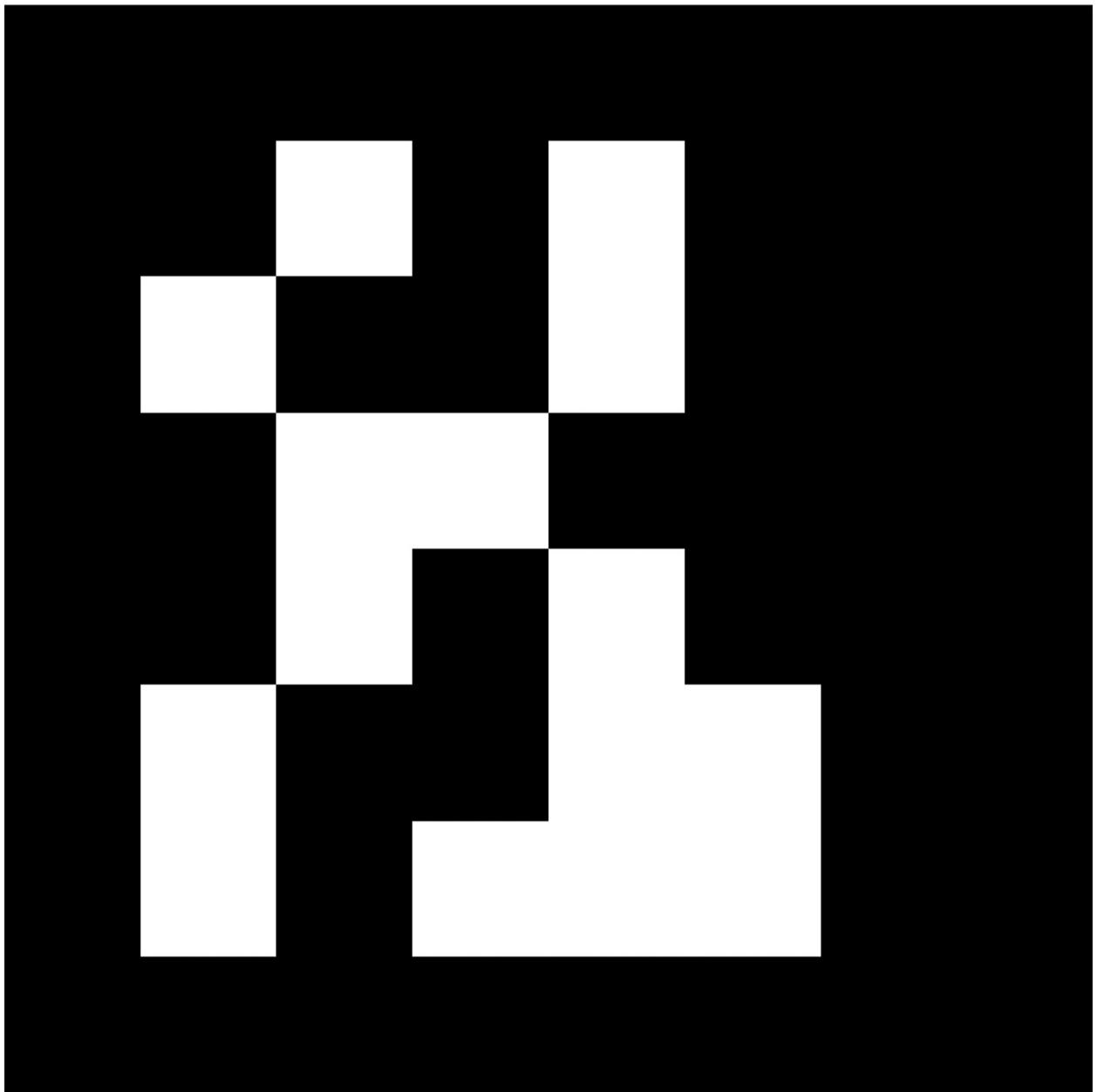
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ID 13



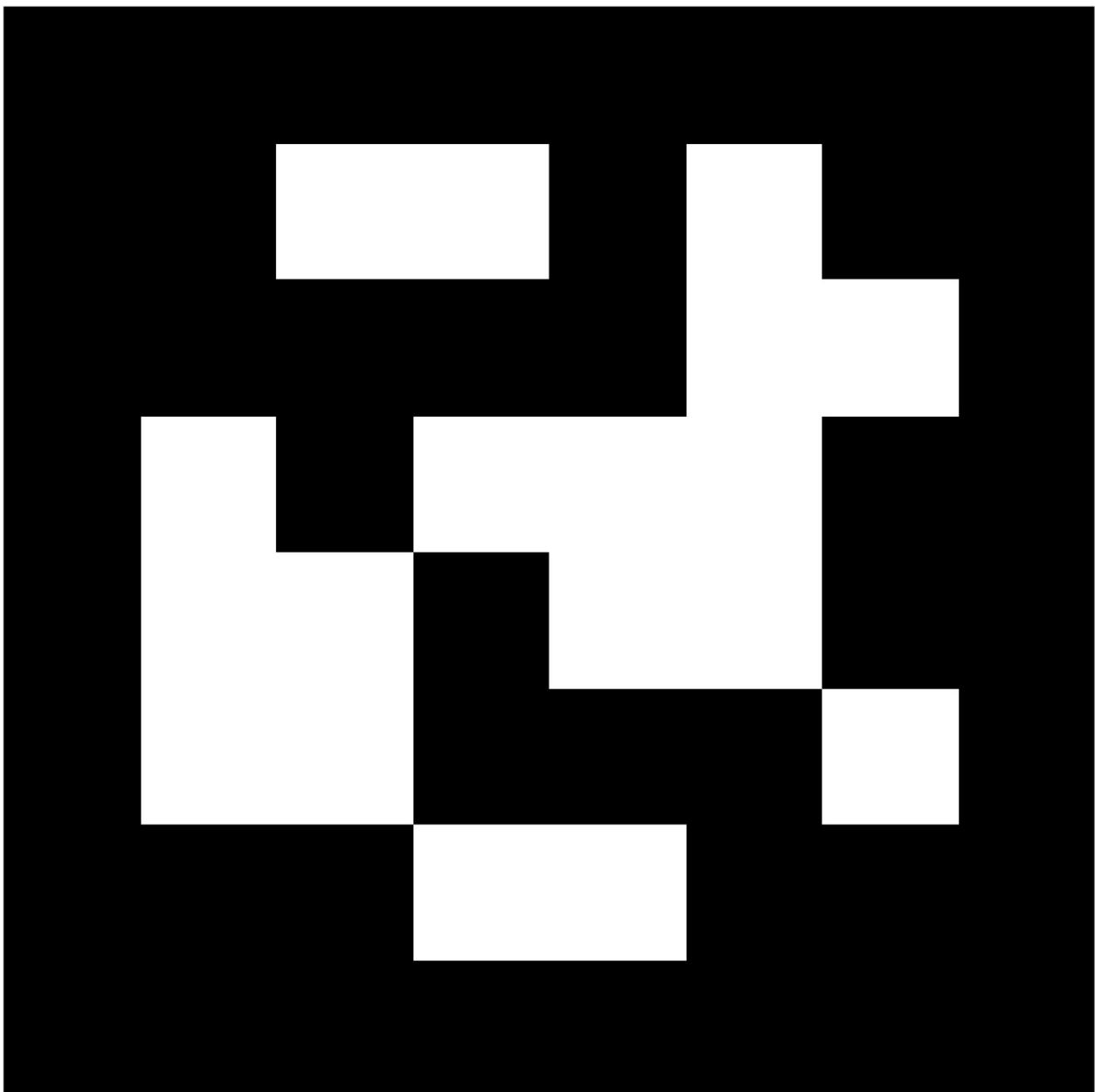
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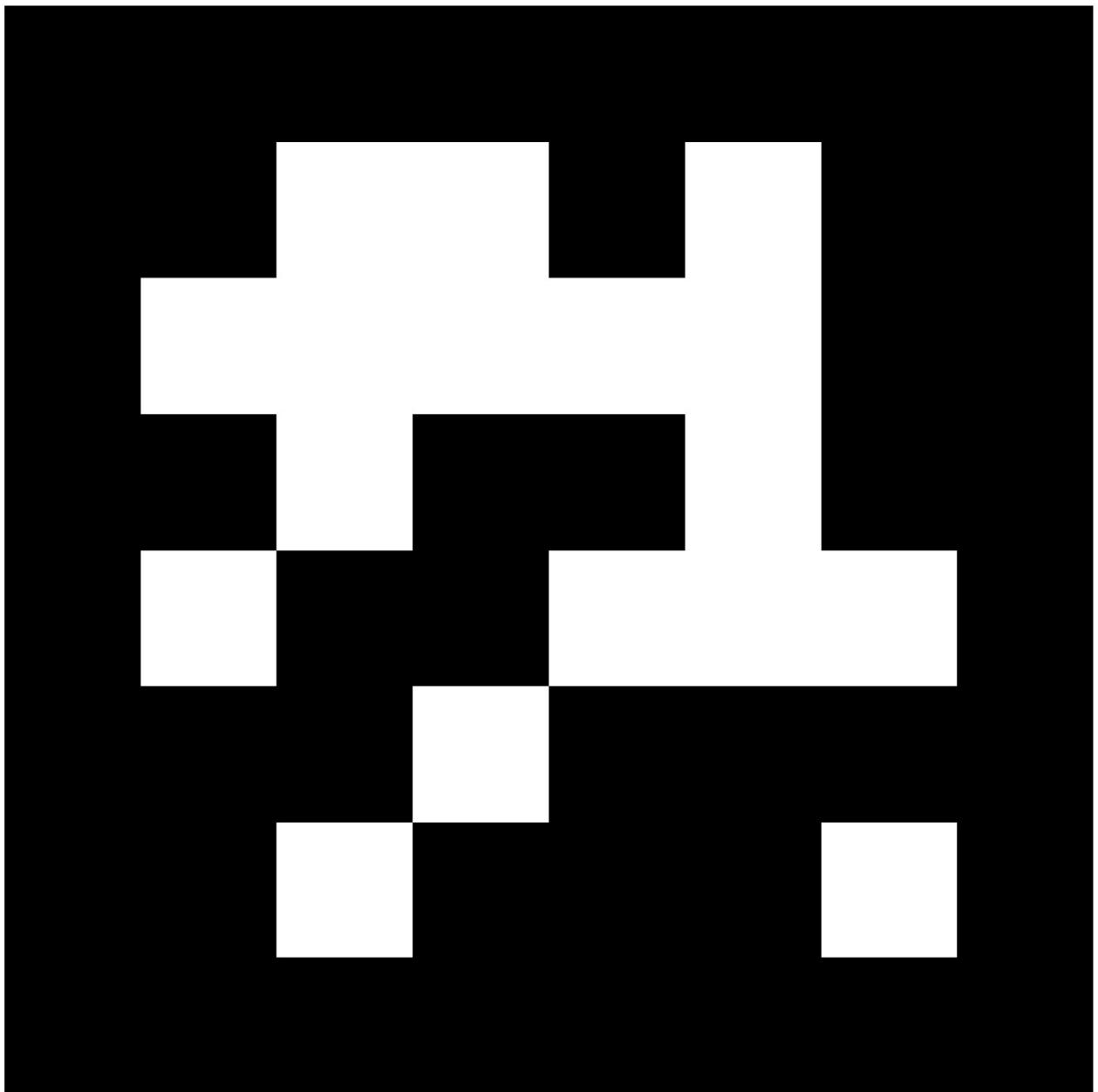
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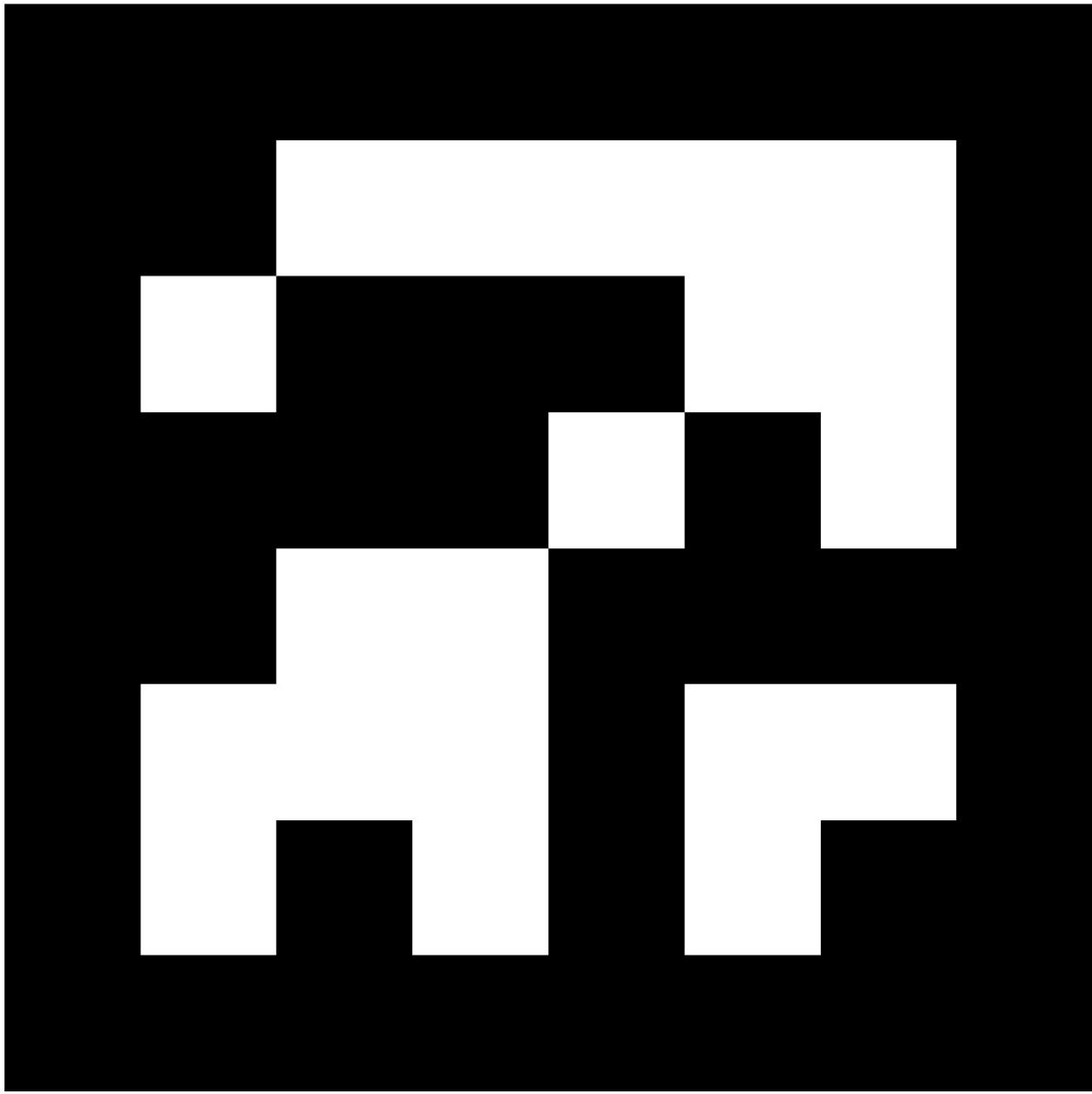
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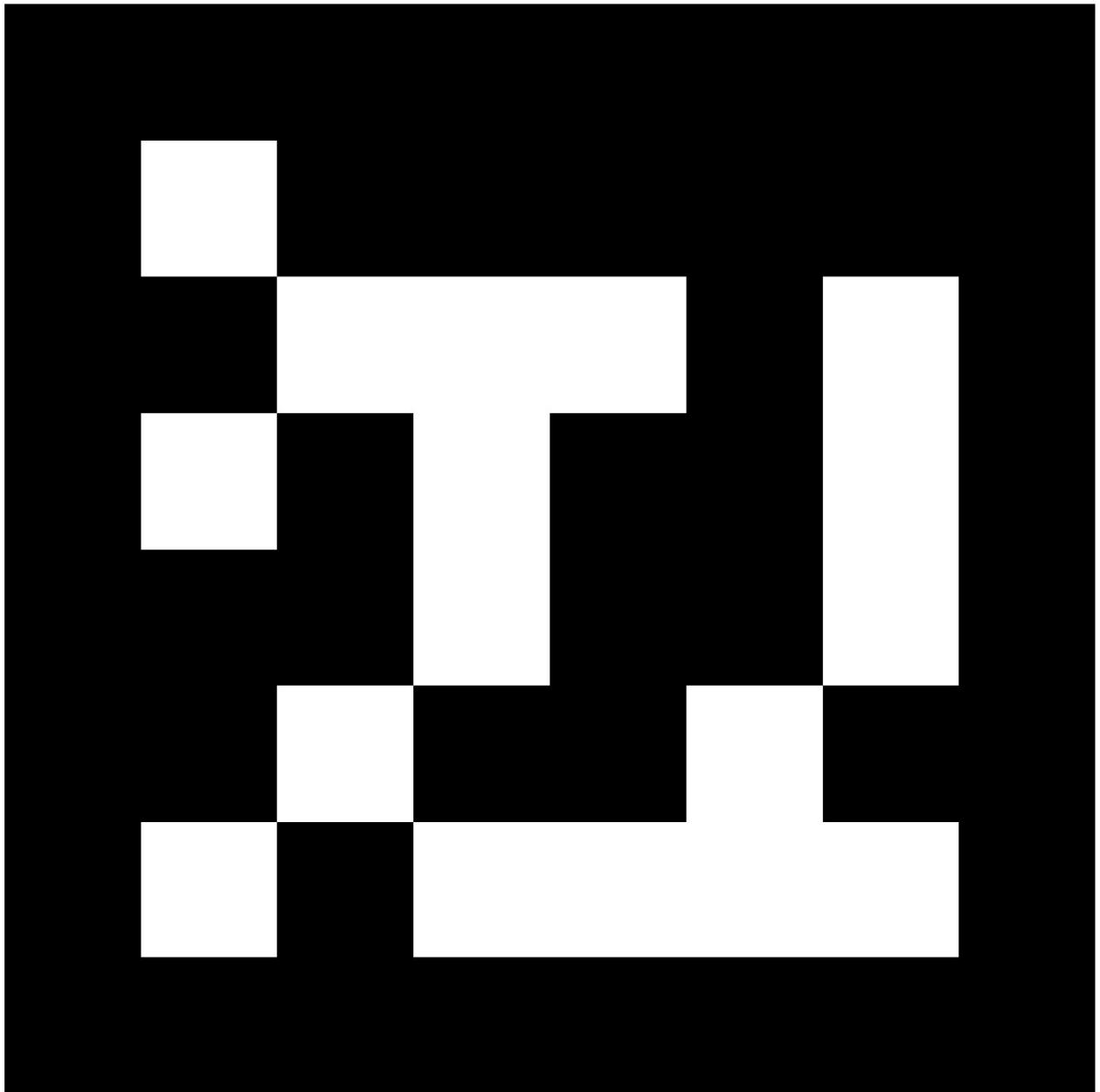
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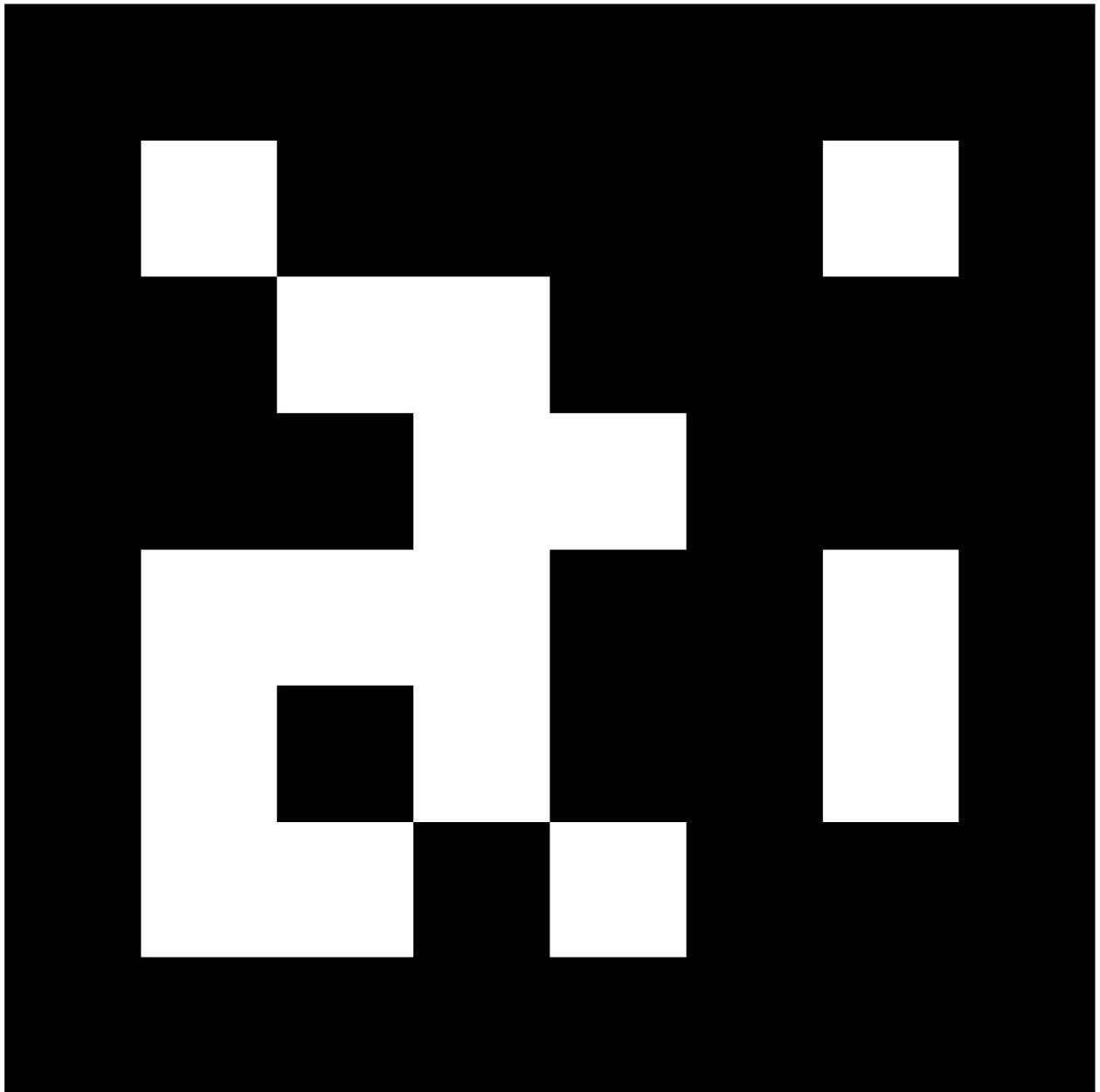
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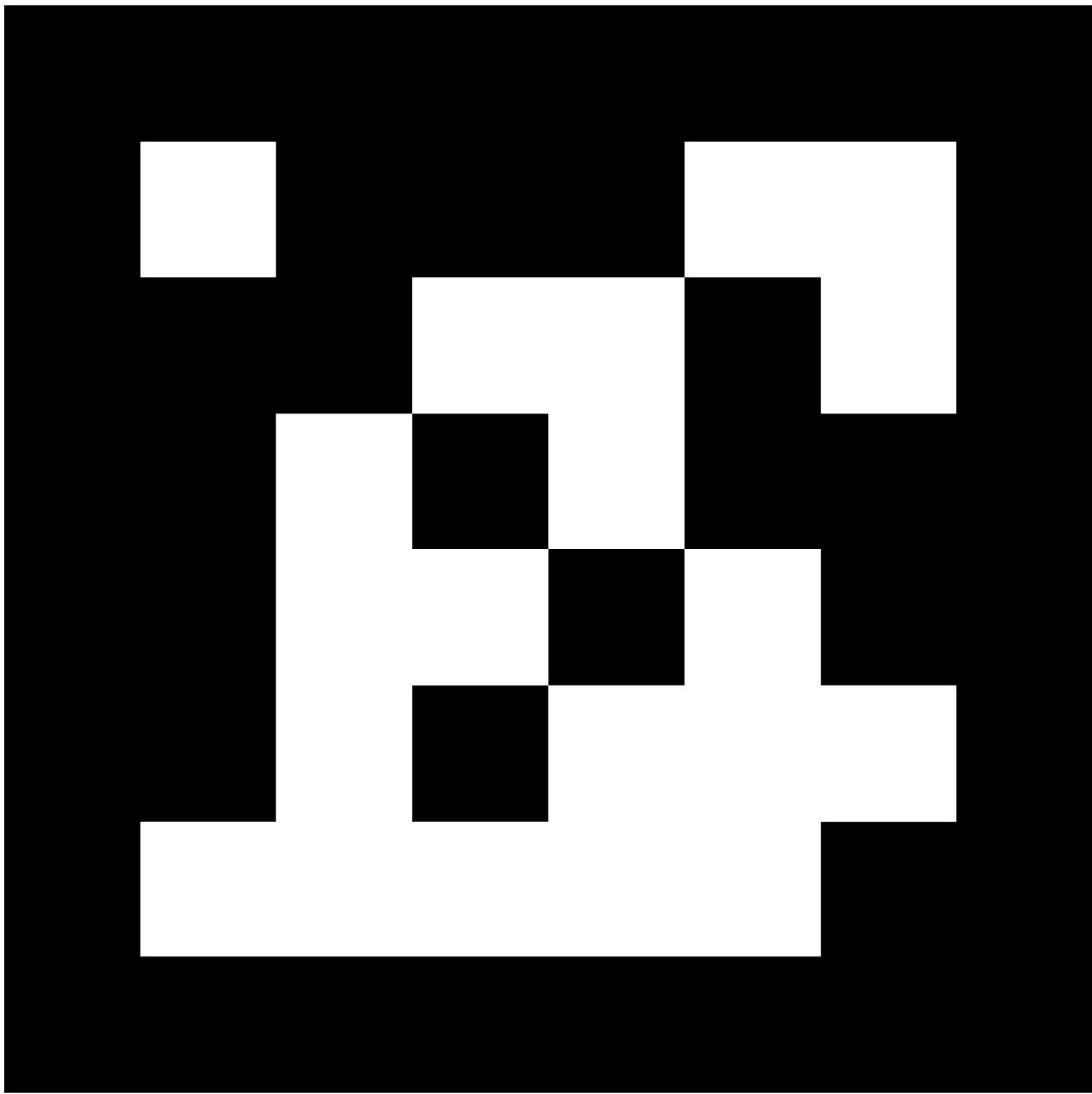
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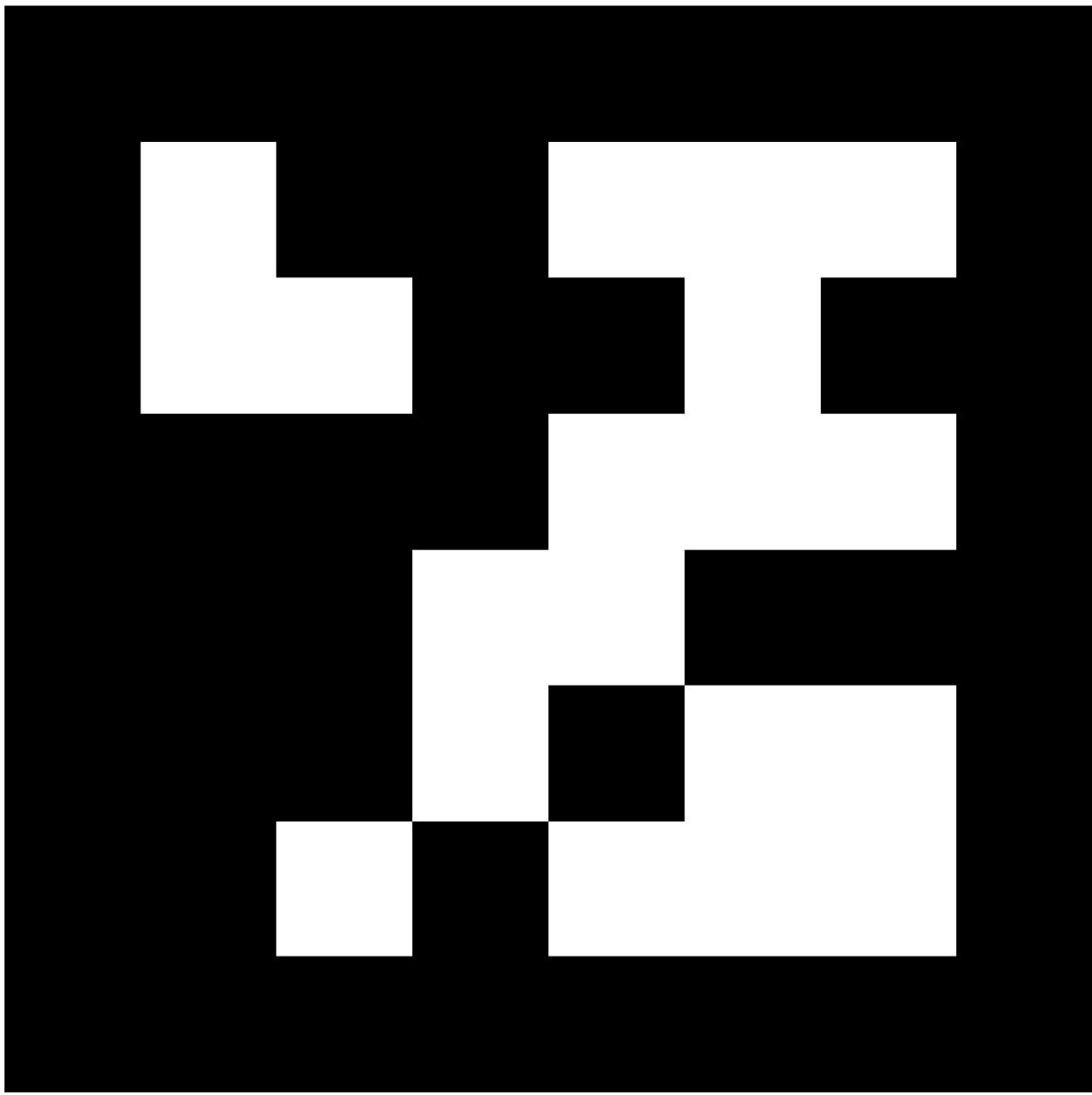
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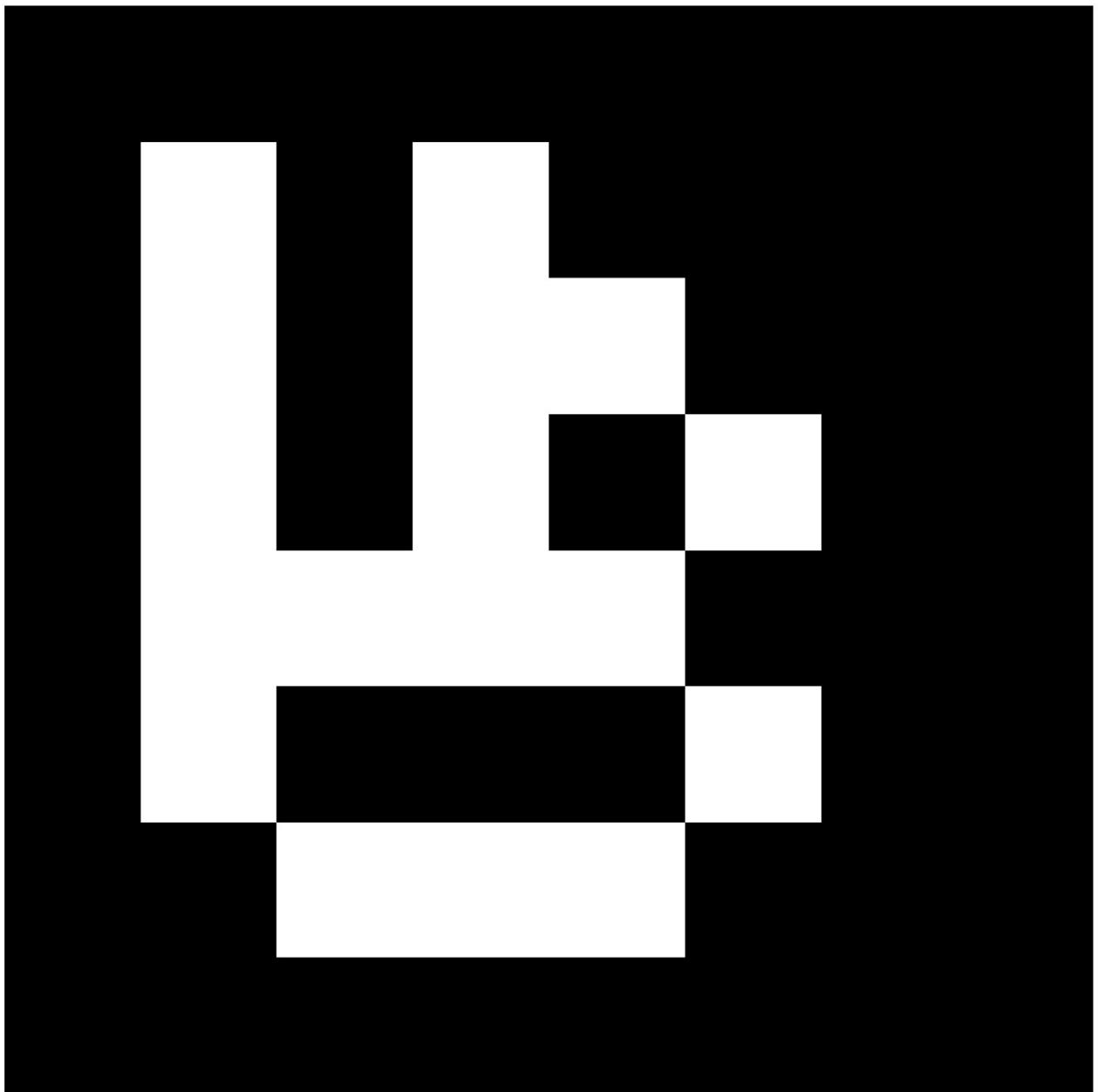
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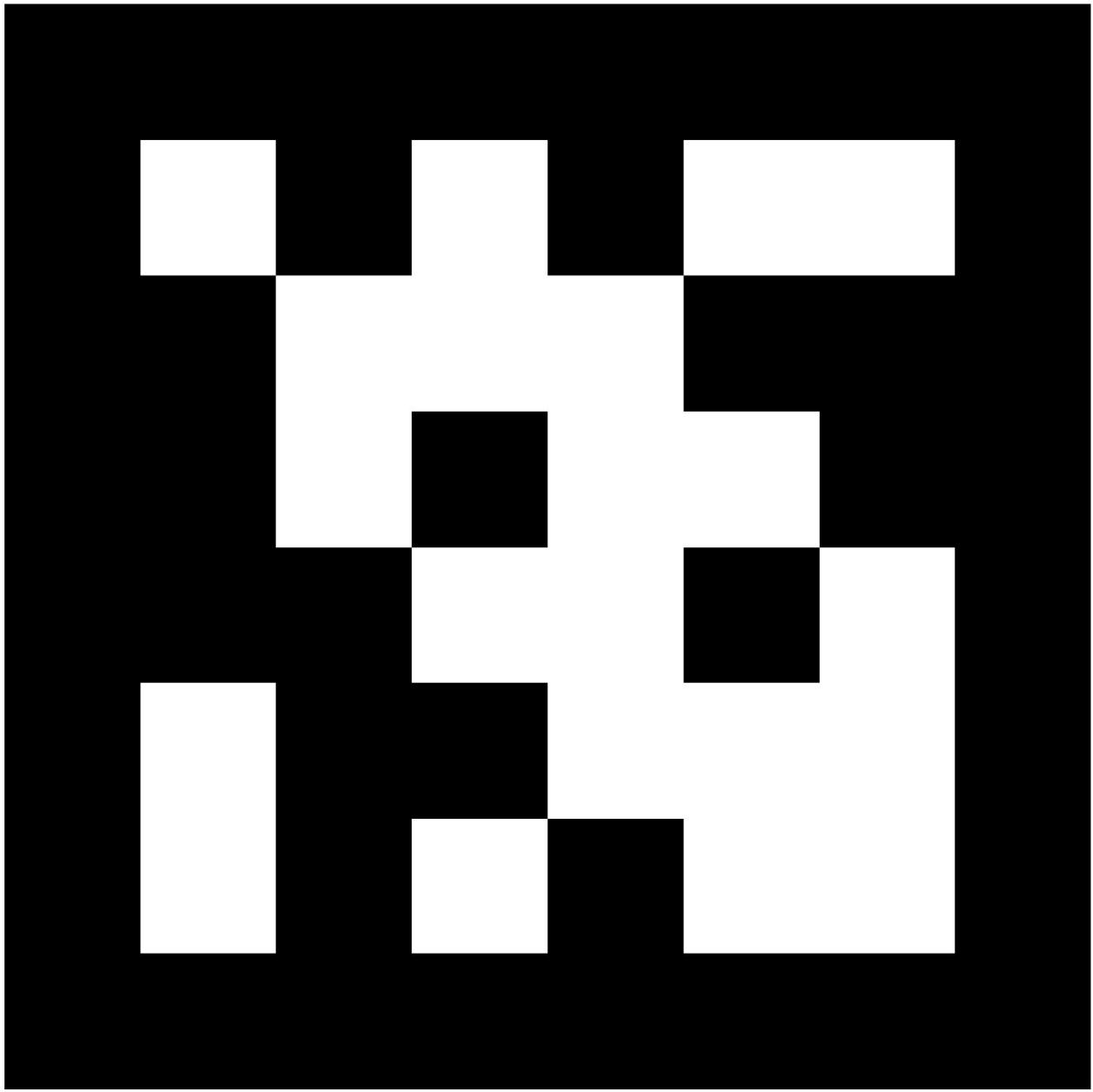
ID 22



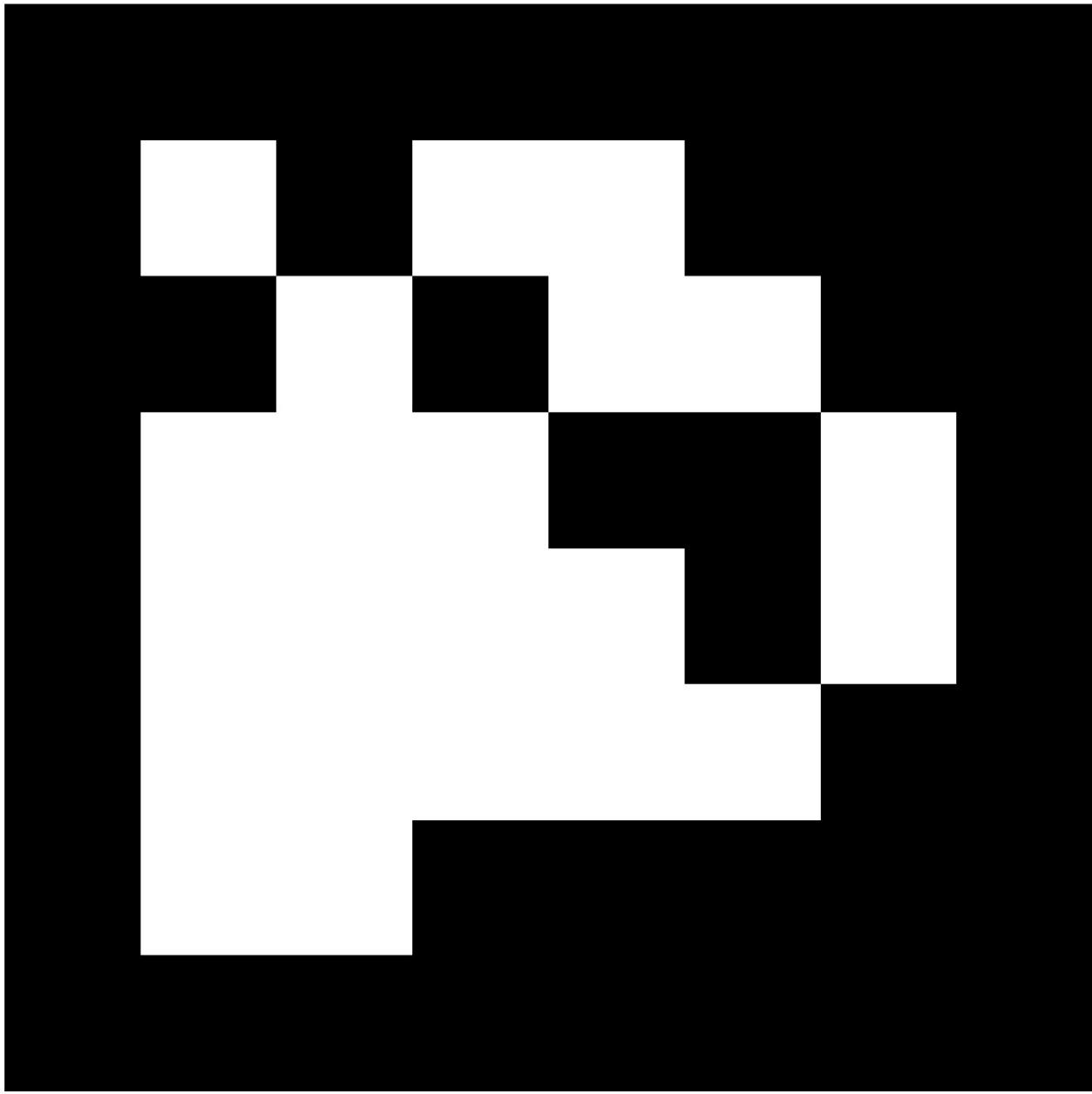
ID 23



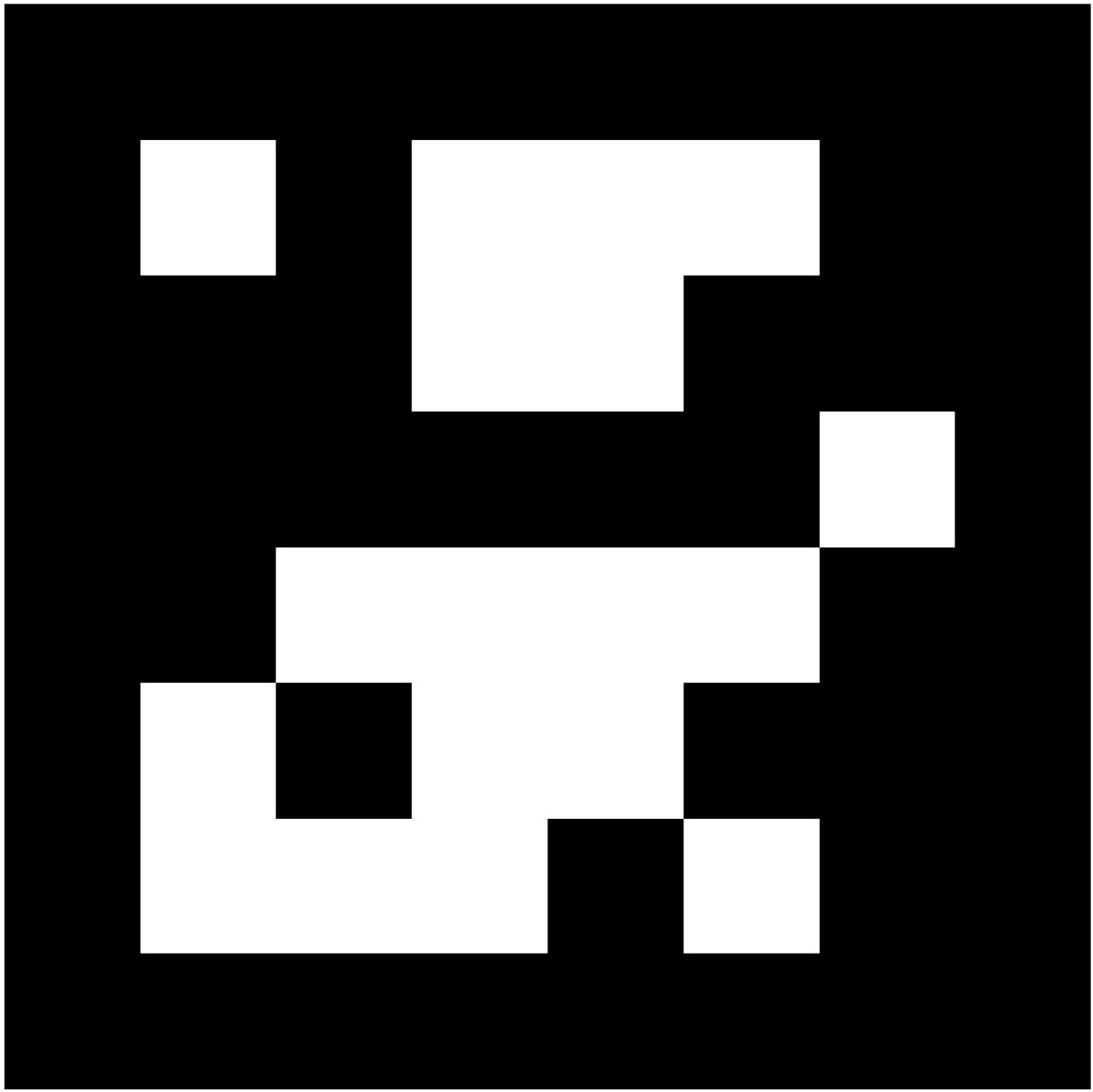
ID 24



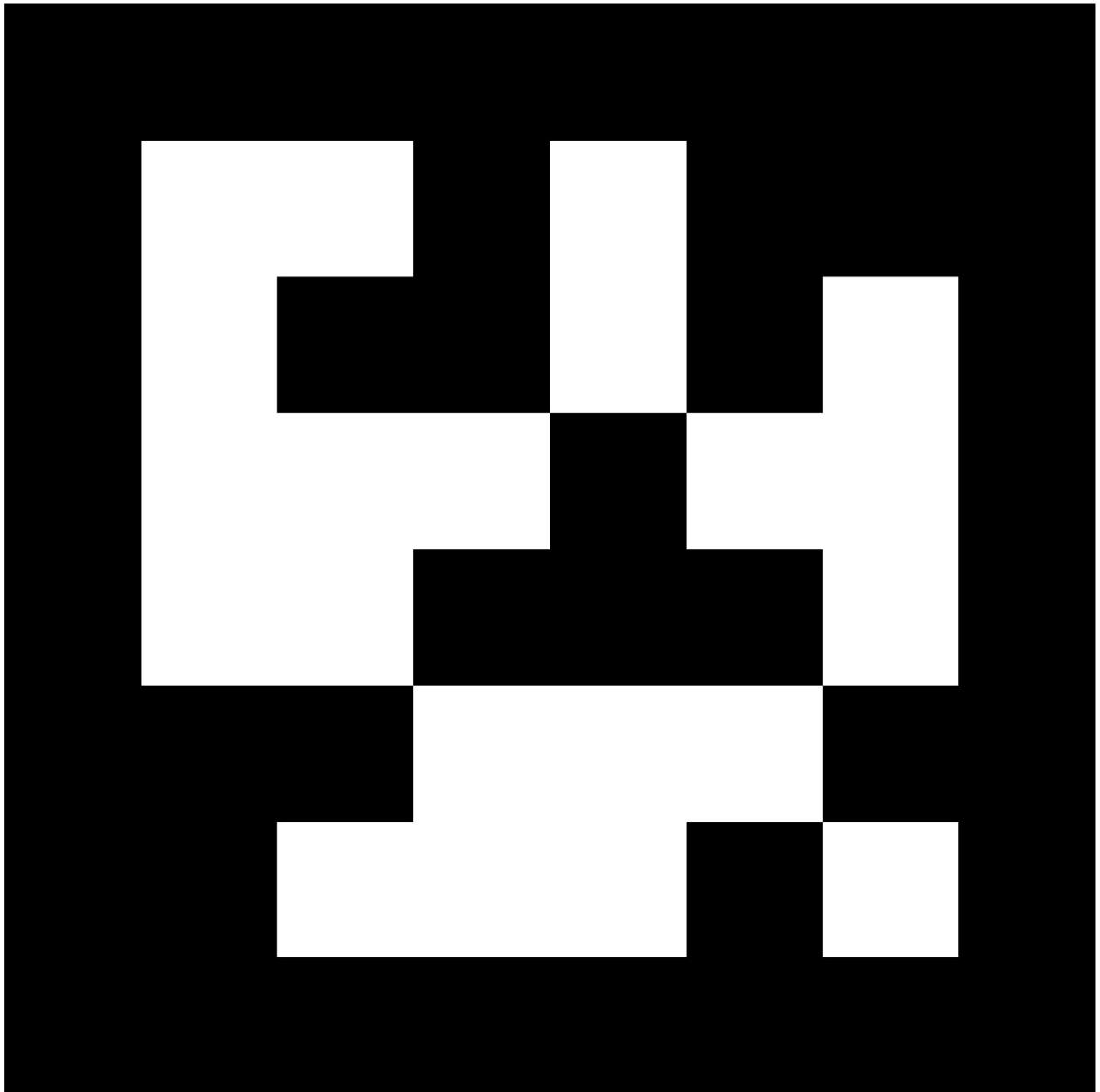
ID 25



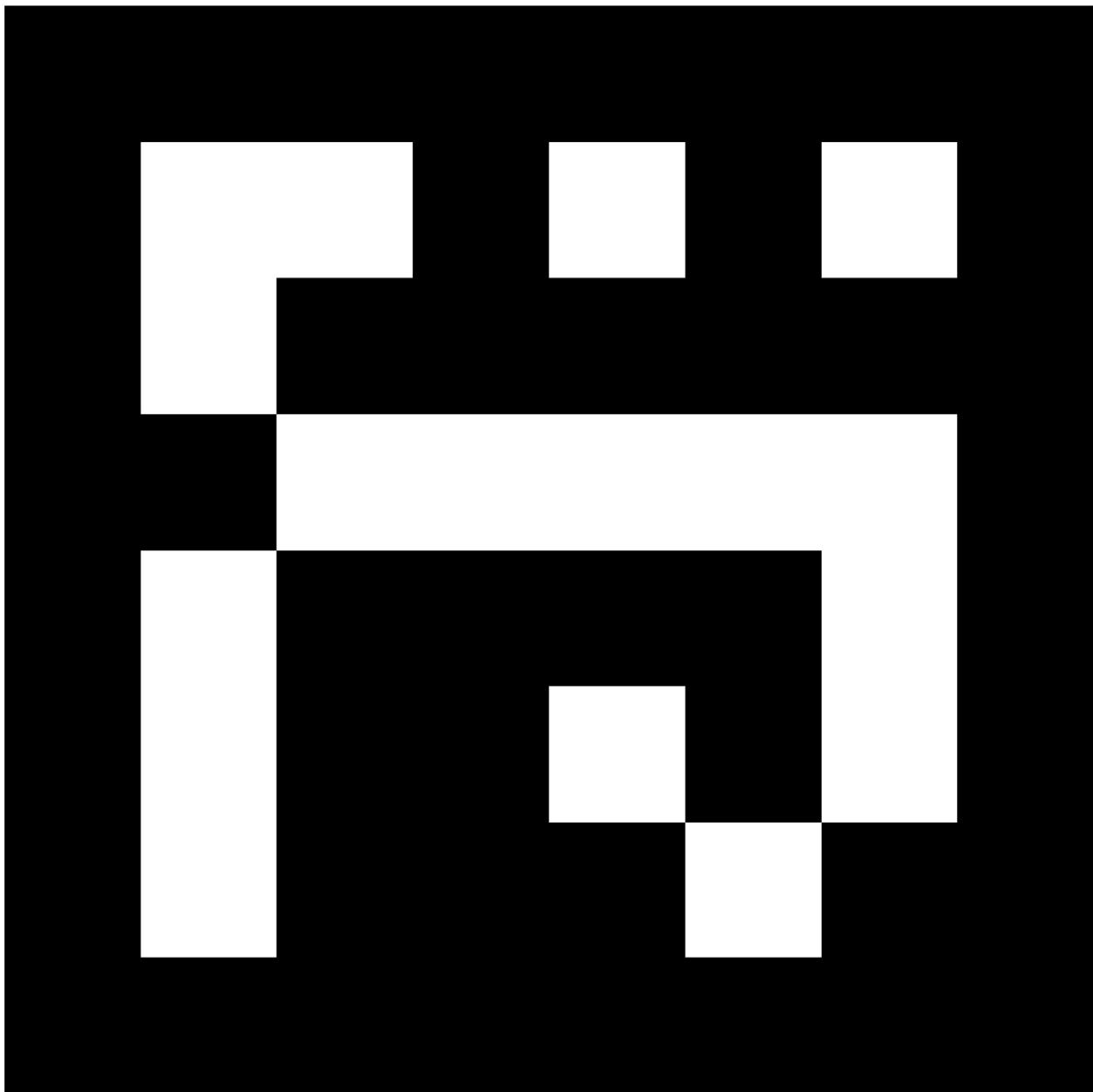
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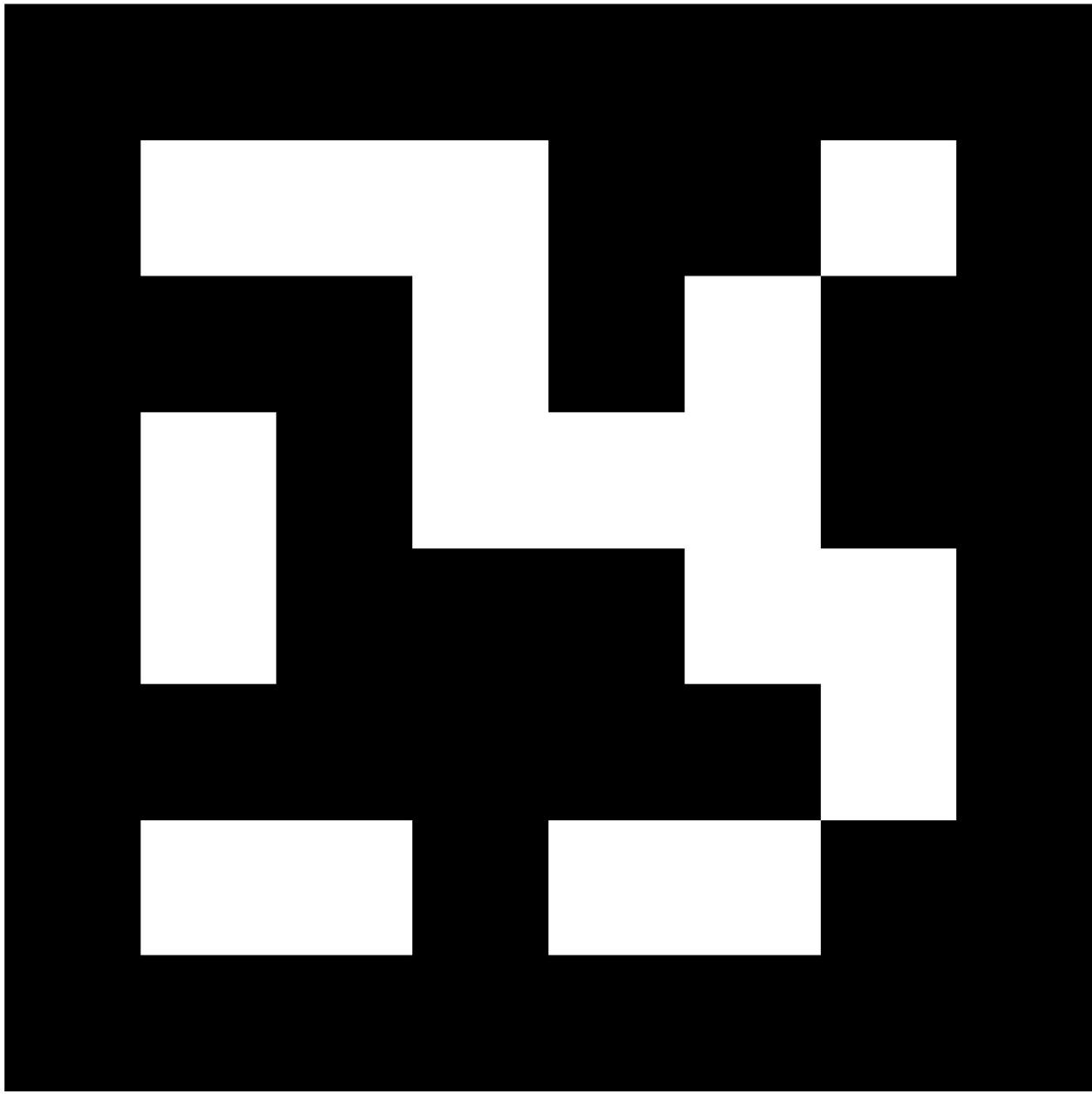
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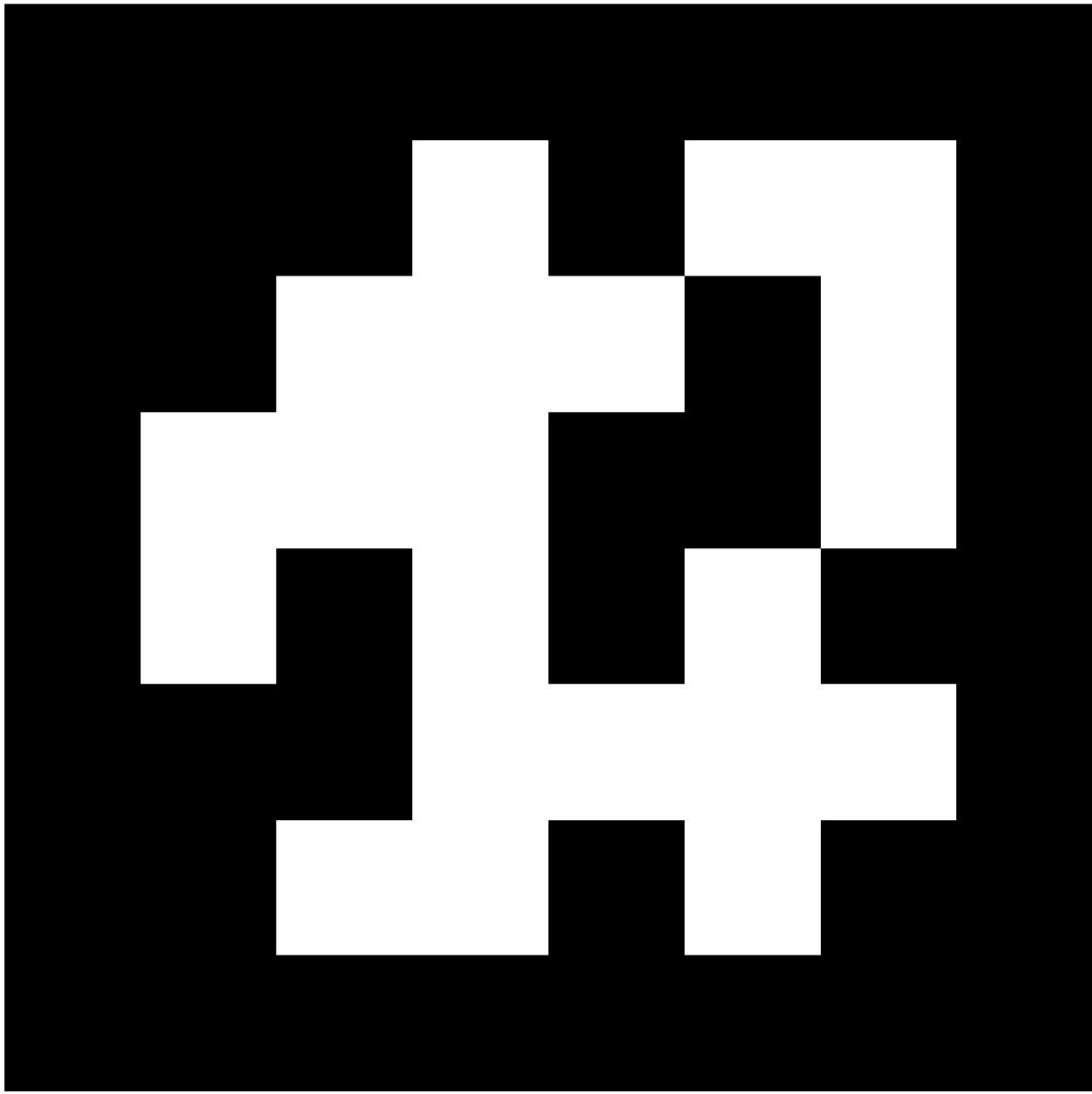
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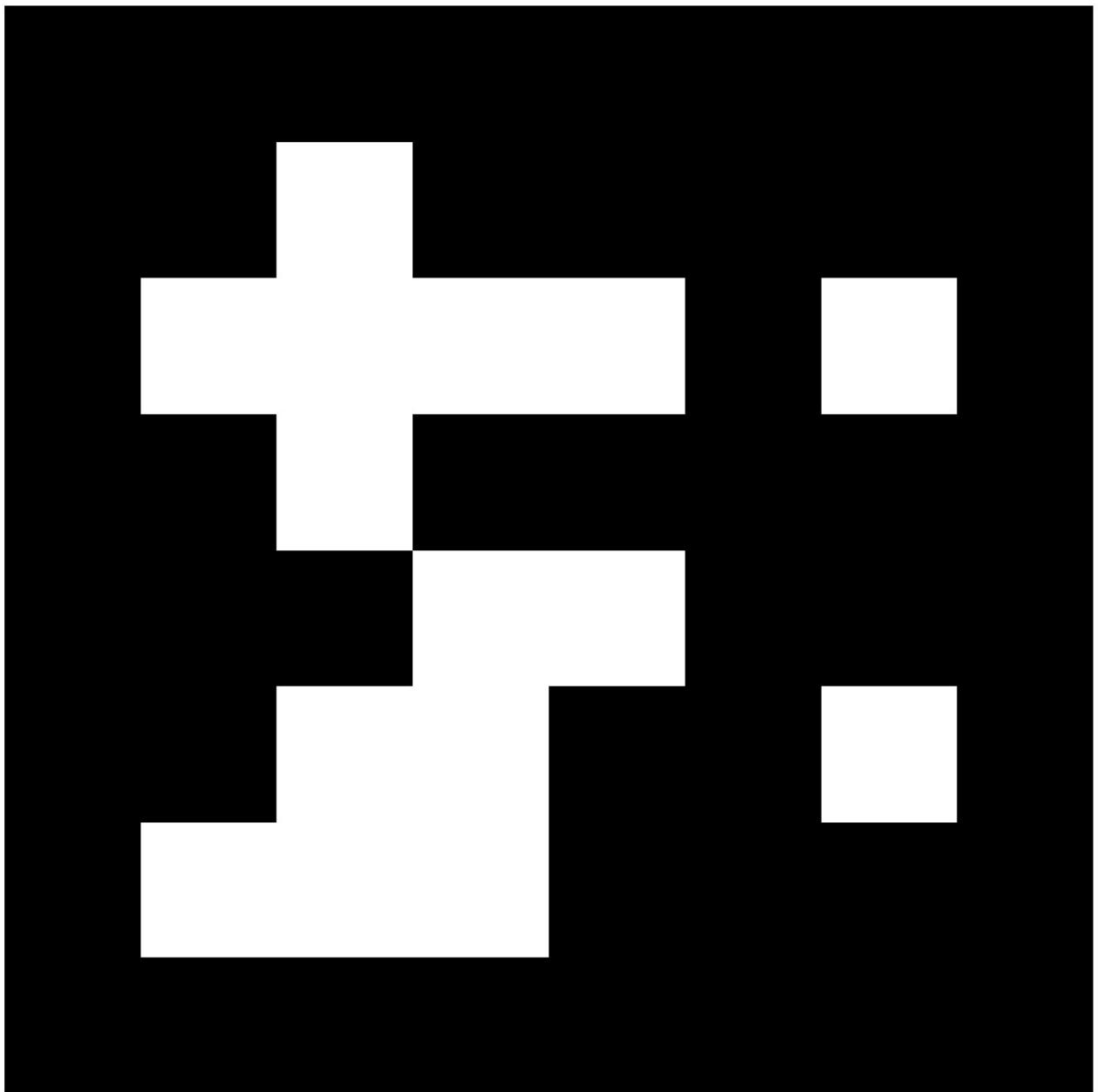
ID 29



ID 30



ID 31



ID 32